



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Final Analytical Report

Site Name.....	Dimock Residential Groundwater
Sample Collection Date(s).....	02/05/12 15:00- 02/08/12 12:25
Contact.....	Rich Fetzer
Report Date.....	03/19/12 17:13
Project #.....	DAS R33907
Work Order.....	1202003

Analyses included in this report:

Alcohols by EPA 8015D

Glycol by HPLC/MS/MS

SVOCs by CLP Equivalent

VOCs by CLP Equivalent (trace)

Approved for Release

C. Capone

1202003 FINAL PART 2 OF 3

DAS R33907

03 19 12 1714

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OASQA Representative



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Report Narrative

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Report Narrative

The EPA Region 3 Laboratory's Quality System is NELAP accredited. The National Environmental Laboratory Accreditation Program (NELAP) is a voluntary environmental laboratory accreditation association of State and Federal agencies.

General Notes:

This report contains results for Volatiles (VOAs), Semivolatiles (SVOAs), Glycol, and Alcohol analyses only. All other parameters identified on the chain-of-custody form are included in separate reports. Lab Sample numbers 1202003-06 thru -10, 1202003-24 thru -31, and 1202003-40 thru -47 are not included in this report since these samples were designated for Metals and Mercury analyses only.

For Work Order 1202003 - This is Report 2 of 3.

Chain-of-Custody forms are included in Report 1 of 3 for this Work Order.

Two sample vials for the VOC analysis were received broken for 1202003-20. One sample vial for the Alcohol analysis was received broken for two samples, 1202003-01 and 1202003-20. Analysis was completed on the remaining vials. All samples were received at proper temperature.

Analytical results for samples by the Orthophosphorus method are not included in this report. Instead samples were analyzed using the Total Phosphate method to eliminate any issues with holding times. Since the Orthophosphorus method was being used as a screening method to determine the need to analyze the sample by the Total Phosphate method, results for Total Phosphate are not impacted.

Samples designated for the analysis of Oil & Grease were received in sample containers inconsistent with the type needed for the routine extraction procedure. Therefore, all samples were extracted using the manual extraction technique.

Where applicable, sample results are qualified based on the highest level concentrations of field QC contamination found in the field, equipment, or trip blanks.

Unless otherwise noted below, all required instrument and method QC was run and was within criteria.

Glycols by HPLC/MS/MS Note:

Samples were analyzed for diethylene glycol (DiG) (CAS# 111-46-6), triethylene glycol (TriG) (112-27-6), tetraethylene glycol (TeG) (112-60-7), 2-butoxyethanol (2-Bu) (111-76-2) and 2-methoxyethanol (109-86-4) by HPLC/MS/MS (inst id: TQD-LCMSMS) on a Waters Atlantis dC18 3um 2.1 x 150mm column (s/n- 0141301481).

An HPLC/MS/MS method does not currently exist for these analytes. ASTM D 7731-11 and EPA SW-846 Methods 8000C and 8321 were followed for method development and QA/QC limits where applicable. All applicable OASQA On Demand QA/QC protocols were followed.

The aqueous samples were injected without extraction onto the HPLC/MS/MS system

The blank spike results for two parameters were outside of quality control acceptance limits but there was no impact on the data.

Refer to notes in the case file for additional information regarding the analysis.

SVOAs Analysis Note:

All samples were extracted by EPA SW-846 Method 3520C followed by analysis using EPA SW-846 Method 8270D. Refer to notes in case file for additional information regarding the analysis.



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For this project two additional compounds are added to the SVOC analysis; 2-methoxyethanol and 1-methylnaphthalene. A separate calibration curve is used for these compounds with quality control requirements per the On-Demand protocol. For 2-methoxyethanol, the analysis is also being completed on each sample using the HPLC/MS/MS technique (Glycol analysis). Since SVOC extraction efficiencies are problematic for 2-methoxyethanol, the results from the HPLC/MS/MS technique should be used for these samples. For samples 1202003-13 thru 39 the blank spike (LCS) and matrix spike quality control samples did not include these two compounds. Therefore, all quantitation limits for these samples are qualified estimated "UJ."

For samples 1202003-01 thru -05, quantitation limits and 2-methoxyethanol and 3,3'-dichlorobenzidine are elevated due to zero percent recovery in the low-spike quality control check (BS1). Results for the mid-level spike quality control check (BS2) are within acceptance limits; therefore, quantitation limits are raised to the mid-level value. For samples 1202003-01 thru -05 data for 3,3'-dichlorobenzidine is rejected and qualified "R" due to zero percent recovery in the low- and mid-spike quality control check. For samples 1202003-01 thru -05, quantitation limits for 3-nitroaniline are qualified "UJ" due to low percent recovery in the low-spike quality control check. For samples 1202003-01 thru -05, quantitation limits for 4-chloroaniline are elevated due to very low percent recovery in the low-spike quality control check. In the report, only 16 compounds are reported for the blank spike quality control check samples. Quality control information about the additional compounds is available in the case file.

Appropriate volumes were not provided for a matrix spike and a matrix spike duplicate for the second sample set 1202003-13 thru 1202003-39.

Two surrogate recoveries were below acceptance limits for sample 1202003-36. Results are below the quantitation limit and are qualified as estimated "J" and may be biased low. Quantitation limits are qualified as estimated "UJ."

Results for a limited number of parameters found in all samples have been qualified "B" because of contamination found in either the method blank, field blank, or equipment blank.

Three blank spike results for 2,4-Dinitrotoluene are slightly above the high end of the acceptance window. There is no impact on the data.

VOA Analysis Note:

Acrylonitrile was analyzed on-demand using CLP equivalent methodology. This analyte does not appear in the data tables or the QC summary and all data for this compound is summarized here. Acrylonitrile was not detected in any of the samples above a quantitation limit of 2 ug/L. A four point curve was analyzed (2, 5, 10 and 20 ug/L). The samples were preserved to a pH<2 with HCl. A low level second source blank spike analyzed at a concentration of 2 ug/L had a recovery of 98%. A mid level second source blank spike analyzed at a concentration of 10 ug/L had a recovery of 119%. Matrix spike/matrix spike duplicate analysis was performed for sample 1202003-01 (Sta. HW45). Matrix spike recoveries for acrylonitrile were 100% and 113% at a spike level of 5 ug/L.

A mid level second source blank spike for target compounds was analyzed and five compounds were outside the criteria. These compounds were not detected in the samples and there is no impact to results.

The matrix spike analyses for target compounds had one recovery high, one low, and three measures of reproducibility (RPD) slightly outside criteria. The source sample was non-detect and there is no impact to data.

The B qualifier was applied to acetone and chloroform sample results due to the presence of these compounds in associated field blanks.



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Significant levels of isobutane were found in all trip, equipment, and field blanks. Isobutane was not detected in the environmental samples. The source of the field blank contamination should be investigated and corrected.

2-Chloroethylvinyl ether is not included in the analysis. 2-chloroethylvinyl ether breaks down in acidified samples.

Alcohols Analysis Note:

All required instrument QC was run and was within the required criteria.

REPORT 2 of 3



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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
HW45	1202003-01	Drinking Water	2/06/12 10:28	2/07/12 11:17
HW45-P	1202003-02	Drinking Water	2/06/12 11:06	2/07/12 11:17
HW43-P	1202003-03	Drinking Water	2/06/12 12:19	2/07/12 11:17
HW43	1202003-04	Drinking Water	2/06/12 12:06	2/07/12 11:17
EB02	1202003-05	Water	2/05/12 15:00	2/07/12 11:17
TB23	1202003-11	Water	2/06/12 07:05	2/07/12 11:17
TB24	1202003-12	Water	2/06/12 07:10	2/07/12 11:17
HW15a-P	1202003-13	Drinking Water	2/07/12 10:55	2/08/12 11:15
HW31-P	1202003-14	Drinking Water	2/06/12 18:28	2/08/12 11:15
HW30	1202003-15	Drinking Water	2/06/12 14:34	2/08/12 11:15
HW30-P	1202003-16	Drinking Water	2/06/12 15:00	2/08/12 11:15
HW31	1202003-17	Drinking Water	2/06/12 18:20	2/08/12 11:15
FB11	1202003-18	Water	2/06/12 14:36	2/08/12 11:15
HW31z	1202003-19	Drinking Water	2/06/12 18:20	2/08/12 11:15
HW15a	1202003-20	Drinking Water	2/07/12 10:47	2/08/12 11:15
TB25	1202003-21	Water	2/06/12 10:25	2/08/12 11:15
TB26	1202003-22	Water	2/06/12 10:30	2/08/12 11:15
TB28	1202003-23	Water	2/07/12 07:05	2/08/12 11:15
HW38-P	1202003-32	Drinking Water	2/08/12 10:52	2/09/12 10:45
FB13	1202003-33	Water	2/08/12 09:00	2/09/12 10:45
FB12	1202003-34	Water	2/07/12 13:35	2/09/12 10:45
HW47	1202003-35	Drinking Water	2/08/12 11:50	2/09/12 10:45
HW51	1202003-36	Drinking Water	2/07/12 13:48	2/09/12 10:45
HW38	1202003-37	Drinking Water	2/08/12 10:41	2/09/12 10:45
HW51-P	1202003-38	Drinking Water	2/07/12 13:56	2/09/12 10:45
HW47-P	1202003-39	Drinking Water	2/08/12 12:25	2/09/12 10:45
TB30	1202003-48	Water	2/08/12 07:10	2/09/12 10:45
TB27	1202003-49	Water	2/07/12 07:00	2/09/12 10:45
TB29	1202003-50	Water	2/08/12 07:05	2/09/12 10:45



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW45**Lab ID:** 1202003-01**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/08/12	02/09/12 03:46	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/08/12	02/09/12 03:46	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/08/12	02/08/12 13:42	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/08/12	02/09/12 03:46	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/08/12	02/09/12 03:46	SW846 8321/ASTM D773-11 Modified

**Alcohols
Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/09/12	02/09/12 15:19	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/09/12	02/09/12 15:19	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/09/12	02/09/12 15:19	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/09/12	02/09/12 15:19	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/09/12	02/09/12 15:19	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Acenaphthylene	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Acetophenone	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Anthracene	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Atrazine	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Benzaldehyde	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Benzo(a)anthracene	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Benzo(a)pyrene	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
1,1-Biphenyl	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201



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Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.097		B, J	5.00	1	02/08/12	02/14/12 17:35	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Carbazole	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Caprolactam	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
4-Chloroaniline	U			60.0	1	02/08/12	02/14/12 17:35	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
2-Chloronaphthalene	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
2-Chlorophenol	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Chrysene	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Dibenzofuran	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
3,3'-Dichlorobenzidine	U		R	60.0	1	02/08/12	02/14/12 17:35	R3QA201
Diethyl phthalate	0.022		B, J	5.00	1	02/08/12	02/14/12 17:35	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Dimethyl phthalate	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Di-n-butyl phthalate	0.317		B, J	5.00	1	02/08/12	02/14/12 17:35	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/08/12	02/14/12 17:35	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Fluoranthene	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Fluorene	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Hexachlorobenzene	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Hexachlorobutadiene	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Hexachloroethane	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Isophorone	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
2-Methoxyethanol	U			60.0	1	02/08/12	02/14/12 17:35	R3QA201
1-Methylnaphthalene	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
2-Methylnaphthalene	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
2-Methylphenol	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
4-Methylphenol	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
Naphthalene	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
2-Nitroaniline	U			5.00	1	02/08/12	02/14/12 17:35	R3QA201
3-Nitroaniline	U		UJ	60.0	1	02/08/12	02/14/12 17:35	R3QA201



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Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Nitrobenzene	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
2-Nitrophenol	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
4-Nitrophenol	U		10.0	1	02/08/12	02/14/12 17:35	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Pentachlorophenol	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Phenanthrene	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Phenol	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
Pyrene	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/08/12	02/14/12 17:35	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	76.6		77 %	21-110	02/08/12	02/14/12 17:35	R3QA201
Surrogate: Phenol-d5	86.1		86 %	10-110	02/08/12	02/14/12 17:35	R3QA201
Surrogate: Nitrobenzene-d5	40.2		80 %	35-114	02/08/12	02/14/12 17:35	R3QA201
Surrogate: 2-Fluorobiphenyl	40.8		82 %	43-116	02/08/12	02/14/12 17:35	R3QA201
Surrogate: 2,4,6-Tribromophenol	85.6		86 %	10-123	02/08/12	02/14/12 17:35	R3QA201
Surrogate: Terphenyl-d14	45.0		90 %	33-141	02/08/12	02/14/12 17:35	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Benzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Bromoform	U		1.0	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210



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Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U		2.0	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Chloroform	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Freon 113	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350


Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Station ID: HW45

Lab ID: 1202003-01

Sample Matrix: Drinking Water

Date Collected: 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Toluene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/09/12	02/09/12 19:24	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.920		98 %	86-115	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	3.940		98 %	76-114	02/09/12	02/09/12 19:24	CLP trace/R3QA210
Surrogate: Toluene-d8	3.790		95 %	88-110	02/09/12	02/09/12 19:24	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW45-P**Lab ID:** 1202003-02**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/08/12	02/09/12 04:06	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/08/12	02/09/12 04:06	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/08/12	02/08/12 13:47	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/08/12	02/09/12 04:06	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/08/12	02/09/12 04:06	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/09/12	02/09/12 16:00	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/09/12	02/09/12 16:00	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/09/12	02/09/12 16:00	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/09/12	02/09/12 16:00	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/09/12	02/09/12 16:00	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Acenaphthylene	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Acetophenone	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Anthracene	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Atrazine	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Benzaldehyde	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Benzo(a)anthracene	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Benzo(a)pyrene	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
1,1-Biphenyl	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW45-P**Lab ID:** 1202003-02**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.303		B, J	5.00	1	02/08/12	02/14/12 18:26	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Carbazole	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Caprolactam	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
4-Chloroaniline	U			60.0	1	02/08/12	02/14/12 18:26	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
2-Chloronaphthalene	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
2-Chlorophenol	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Chrysene	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Dibenzofuran	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
3,3'-Dichlorobenzidine	U	R		60.0	1	02/08/12	02/14/12 18:26	R3QA201
Diethyl phthalate	0.040		B, J	5.00	1	02/08/12	02/14/12 18:26	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Dimethyl phthalate	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Di-n-butyl phthalate	0.747		B, J	5.00	1	02/08/12	02/14/12 18:26	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/08/12	02/14/12 18:26	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Fluoranthene	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Fluorene	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Hexachlorobenzene	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Hexachlorobutadiene	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Hexachloroethane	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Isophorone	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
2-Methoxyethanol	U			60.0	1	02/08/12	02/14/12 18:26	R3QA201
1-Methylnaphthalene	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
2-Methylnaphthalene	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
2-Methylphenol	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
4-Methylphenol	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
Naphthalene	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
2-Nitroaniline	U			5.00	1	02/08/12	02/14/12 18:26	R3QA201
3-Nitroaniline	U	UJ		60.0	1	02/08/12	02/14/12 18:26	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW45-P**Lab ID:** 1202003-02**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Nitrobenzene	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
2-Nitrophenol	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
4-Nitrophenol	U		10.0	1	02/08/12	02/14/12 18:26	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Pentachlorophenol	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Phenanthrene	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Phenol	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
Pyrene	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/08/12	02/14/12 18:26	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	79.7		80 %	21-110	02/08/12	02/14/12 18:26	R3QA201
Surrogate: Phenol-d5	86.8		87 %	10-110	02/08/12	02/14/12 18:26	R3QA201
Surrogate: Nitrobenzene-d5	42.1		84 %	35-114	02/08/12	02/14/12 18:26	R3QA201
Surrogate: 2-Fluorobiphenyl	42.4		85 %	43-116	02/08/12	02/14/12 18:26	R3QA201
Surrogate: 2,4,6-Tribromophenol	89.3		89 %	10-123	02/08/12	02/14/12 18:26	R3QA201
Surrogate: Terphenyl-d14	46.8		94 %	33-141	02/08/12	02/14/12 18:26	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Benzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Bromoform	U		1.0	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW45-P**Lab ID:** 1202003-02**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U		2.0	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Chloroform	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Freon 113	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW45-P**Lab ID:** 1202003-02**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Toluene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/09/12	02/09/12 19:52	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.100		102 %	86-115	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.140		104 %	76-114	02/09/12	02/09/12 19:52	CLP trace/R3QA210
Surrogate: Toluene-d8	3.920		98 %	88-110	02/09/12	02/09/12 19:52	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW43-P**Lab ID:** 1202003-03**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/08/12	02/09/12 04:27	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/08/12	02/09/12 04:27	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/08/12	02/08/12 13:53	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/08/12	02/09/12 04:27	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/08/12	02/09/12 04:27	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/09/12	02/09/12 16:14	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/09/12	02/09/12 16:14	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/09/12	02/09/12 16:14	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/09/12	02/09/12 16:14	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/09/12	02/09/12 16:14	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Acenaphthylene	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Acetophenone	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Anthracene	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Atrazine	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Benzaldehyde	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Benzo(a)anthracene	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Benzo(a)pyrene	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
1,1-Biphenyl	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW43-P**Lab ID:** 1202003-03**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.094		B, J	5.00	1	02/08/12	02/14/12 19:16	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Carbazole	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Caprolactam	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
4-Chloroaniline	U			60.0	1	02/08/12	02/14/12 19:16	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
2-Chloronaphthalene	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
2-Chlorophenol	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Chrysene	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Dibenzofuran	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
3,3'-Dichlorobenzidine	U	R		60.0	1	02/08/12	02/14/12 19:16	R3QA201
Diethyl phthalate	0.014		B, J	5.00	1	02/08/12	02/14/12 19:16	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Dimethyl phthalate	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Di-n-butyl phthalate	0.452		B, J	5.00	1	02/08/12	02/14/12 19:16	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/08/12	02/14/12 19:16	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Fluoranthene	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Fluorene	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Hexachlorobenzene	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Hexachlorobutadiene	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Hexachloroethane	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Isophorone	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
2-Methoxyethanol	U			60.0	1	02/08/12	02/14/12 19:16	R3QA201
1-Methylnaphthalene	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
2-Methylnaphthalene	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
2-Methylphenol	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
4-Methylphenol	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
Naphthalene	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
2-Nitroaniline	U			5.00	1	02/08/12	02/14/12 19:16	R3QA201
3-Nitroaniline	U	UJ		60.0	1	02/08/12	02/14/12 19:16	R3QA201



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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW43-P**Lab ID:** 1202003-03**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Nitrobenzene	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
2-Nitrophenol	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
4-Nitrophenol	U		10.0	1	02/08/12	02/14/12 19:16	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Pentachlorophenol	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Phenanthrene	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Phenol	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
Pyrene	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/08/12	02/14/12 19:16	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	78.6		79 %	21-110	02/08/12	02/14/12 19:16	R3QA201
Surrogate: Phenol-d5	88.8		89 %	10-110	02/08/12	02/14/12 19:16	R3QA201
Surrogate: Nitrobenzene-d5	42.8		86 %	35-114	02/08/12	02/14/12 19:16	R3QA201
Surrogate: 2-Fluorobiphenyl	42.2		84 %	43-116	02/08/12	02/14/12 19:16	R3QA201
Surrogate: 2,4,6-Tribromophenol	89.1		89 %	10-123	02/08/12	02/14/12 19:16	R3QA201
Surrogate: Terphenyl-d14	45.2		90 %	33-141	02/08/12	02/14/12 19:16	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.5	B, J	2.0	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Benzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Bromoform	U		1.0	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW43-P**Lab ID:** 1202003-03**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U		2.0	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Chloroform	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Freon 113	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW43-P**Lab ID:** 1202003-03**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Styrene	U		1.0	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Toluene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/13/12	02/13/12 12:07	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.070		102 %	86-115	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	3.530		88 %	76-114	02/13/12	02/13/12 12:07	CLP trace/R3QA210
Surrogate: Toluene-d8	4.060		102 %	88-110	02/13/12	02/13/12 12:07	CLP trace/R3QA210



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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW43**Lab ID:** 1202003-04**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/08/12	02/09/12 04:47	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/08/12	02/09/12 04:47	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/08/12	02/08/12 13:58	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/08/12	02/09/12 04:47	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/08/12	02/09/12 04:47	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/09/12	02/09/12 16:28	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/09/12	02/09/12 16:28	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/09/12	02/09/12 16:28	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/09/12	02/09/12 16:28	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/09/12	02/09/12 16:28	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Acenaphthylene	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Acetophenone	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Anthracene	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Atrazine	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Benzaldehyde	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Benzo(a)anthracene	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Benzo(a)pyrene	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
1,1-Biphenyl	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201



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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW43**Lab ID:** 1202003-04**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.050		B, J	4.76	1	02/08/12	02/14/12 20:07	R3QA201
4-Bromophenyl phenyl ether	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Butyl benzyl phthalate	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Carbazole	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Caprolactam	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
4-Chloroaniline	U			57.1	1	02/08/12	02/14/12 20:07	R3QA201
4-Chloro-3-methylphenol	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
2-Chloronaphthalene	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
2-Chlorophenol	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
4-Chlorophenyl phenyl ether	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Chrysene	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Dibenz(a,h)anthracene	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Dibenzofuran	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
3,3'-Dichlorobenzidine	U		R	57.1	1	02/08/12	02/14/12 20:07	R3QA201
Diethyl phthalate	0.016		B, J	4.76	1	02/08/12	02/14/12 20:07	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Dimethyl phthalate	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
2,4-Dinitrophenol	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Di-n-butyl phthalate	0.442		B, J	4.76	1	02/08/12	02/14/12 20:07	R3QA201
4,6-Dinitro-2-methylphenol	U			9.52	1	02/08/12	02/14/12 20:07	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
2,6-Dinitrotoluene	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Fluoranthene	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Fluorene	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Hexachlorobenzene	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Hexachlorobutadiene	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Hexachloroethane	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Isophorone	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
2-Methoxyethanol	U			57.1	1	02/08/12	02/14/12 20:07	R3QA201
1-Methylnaphthalene	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
2-Methylnaphthalene	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
2-Methylphenol	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
4-Methylphenol	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
Naphthalene	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
2-Nitroaniline	U			4.76	1	02/08/12	02/14/12 20:07	R3QA201
3-Nitroaniline	U		UJ	57.1	1	02/08/12	02/14/12 20:07	R3QA201



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Office of Analytical Services and Quality Assurance
701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW43**Lab ID:** 1202003-04**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Nitrobenzene	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
2-Nitrophenol	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
4-Nitrophenol	U		9.52	1	02/08/12	02/14/12 20:07	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Pentachlorophenol	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Phenanthrene	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Phenol	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
Pyrene	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/08/12	02/14/12 20:07	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	76.1		80 %	21-110	02/08/12	02/14/12 20:07	R3QA201
Surrogate: Phenol-d5	84.3		89 %	10-110	02/08/12	02/14/12 20:07	R3QA201
Surrogate: Nitrobenzene-d5	38.9		82 %	35-114	02/08/12	02/14/12 20:07	R3QA201
Surrogate: 2-Fluorobiphenyl	41.6		87 %	43-116	02/08/12	02/14/12 20:07	R3QA201
Surrogate: 2,4,6-Tribromophenol	80.4		84 %	10-123	02/08/12	02/14/12 20:07	R3QA201
Surrogate: Terphenyl-d14	44.3		93 %	33-141	02/08/12	02/14/12 20:07	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Benzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Bromoform	U		1.0	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210



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Region 3 Environmental Science Center
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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW43**Lab ID:** 1202003-04**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U		2.0	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Chloroform	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Freon 113	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210

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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW43**Lab ID:** 1202003-04**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Styrene	U		1.0	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Toluene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/13/12	02/13/12 12:35	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.900		98 %	86-115	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.260		106 %	76-114	02/13/12	02/13/12 12:35	CLP trace/R3QA210
Surrogate: Toluene-d8	3.950		99 %	88-110	02/13/12	02/13/12 12:35	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** EB02**Lab ID:** 1202003-05**Sample Matrix:** Water**Date Collected:** 02/05/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/08/12	02/09/12 05:49	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/08/12	02/09/12 05:49	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/08/12	02/08/12 14:15	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/08/12	02/09/12 05:49	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/08/12	02/09/12 05:49	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/09/12	02/09/12 16:41	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/09/12	02/09/12 16:41	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/09/12	02/09/12 16:41	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/09/12	02/09/12 16:41	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/09/12	02/09/12 16:41	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Acenaphthylene	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Acetophenone	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Anthracene	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Atrazine	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Benzaldehyde	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Benzo(a)anthracene	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Benzo(a)pyrene	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
1,1-Biphenyl	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** EB02**Lab ID:** 1202003-05**Sample Matrix:** Water**Date Collected:** 02/05/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	5.18			4.76	1	02/08/12	02/14/12 20:57	R3QA201
4-Bromophenyl phenyl ether	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Butyl benzyl phthalate	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Carbazole	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Caprolactam	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
4-Chloroaniline	U			57.1	1	02/08/12	02/14/12 20:57	R3QA201
4-Chloro-3-methylphenol	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
2-Chloronaphthalene	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
2-Chlorophenol	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
4-Chlorophenyl phenyl ether	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Chrysene	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Dibenz(a,h)anthracene	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Dibenzofuran	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
3,3'-Dichlorobenzidine	U	R		57.1	1	02/08/12	02/14/12 20:57	R3QA201
Diethyl phthalate	0.018	B, J		4.76	1	02/08/12	02/14/12 20:57	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Dimethyl phthalate	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
2,4-Dinitrophenol	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Di-n-butyl phthalate	0.605	B, J		4.76	1	02/08/12	02/14/12 20:57	R3QA201
4,6-Dinitro-2-methylphenol	U			9.52	1	02/08/12	02/14/12 20:57	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
2,6-Dinitrotoluene	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Fluoranthene	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Fluorene	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Hexachlorobenzene	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Hexachlorobutadiene	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Hexachloroethane	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Isophorone	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
2-Methoxyethanol	U			57.1	1	02/08/12	02/14/12 20:57	R3QA201
1-Methylnaphthalene	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
2-Methylnaphthalene	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
2-Methylphenol	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
4-Methylphenol	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
Naphthalene	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
2-Nitroaniline	U			4.76	1	02/08/12	02/14/12 20:57	R3QA201
3-Nitroaniline	U	UJ		57.1	1	02/08/12	02/14/12 20:57	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** EB02**Lab ID:** 1202003-05**Sample Matrix:** Water**Date Collected:** 02/05/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Nitrobenzene	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
2-Nitrophenol	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
4-Nitrophenol	U		9.52	1	02/08/12	02/14/12 20:57	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Pentachlorophenol	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Phenanthrene	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Phenol	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
Pyrene	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201
2,4,6-Trichlorophenol	U		4.76	1	02/08/12	02/14/12 20:57	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	68.6		72 %	21-110	02/08/12	02/14/12 20:57	R3QA201
Surrogate: Phenol-d5	77.7		82 %	10-110	02/08/12	02/14/12 20:57	R3QA201
Surrogate: Nitrobenzene-d5	37.2		78 %	35-114	02/08/12	02/14/12 20:57	R3QA201
Surrogate: 2-Fluorobiphenyl	38.3		80 %	43-116	02/08/12	02/14/12 20:57	R3QA201
Surrogate: 2,4,6-Tribromophenol	80.8		85 %	10-123	02/08/12	02/14/12 20:57	R3QA201
Surrogate: Terphenyl-d14	43.8		92 %	33-141	02/08/12	02/14/12 20:57	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.2	J	2.0	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Benzene	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Bromoform	U		1.0	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210



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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** EB02**Lab ID:** 1202003-05**Sample Matrix:** Water**Date Collected:** 02/05/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U			2.0	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Chloroform	0.08	J		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Freon 113	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210

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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** EB02**Lab ID:** 1202003-05**Sample Matrix:** Water**Date Collected:** 02/05/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Toluene	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210
o-Xylene	0.1	J	1.0	1	02/09/12	02/09/12 16:08	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.890		97 %	86-115	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.250		106 %	76-114	02/09/12	02/09/12 16:08	CLP trace/R3QA210
Surrogate: Toluene-d8	3.960		99 %	88-110	02/09/12	02/09/12 16:08	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB23**Lab ID:** 1202003-11**Sample Matrix:** Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.1	J		2.0	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Benzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Bromoform	U			1.0	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Chloroform	0.08	J		0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210



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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB23**Lab ID:** 1202003-11**Sample Matrix:** Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Styrene	U			1.0	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Toluene	0.4	J		0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210
o-Xylene	0.09	J		1.0	1	02/09/12	02/09/12 13:44	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.880			97 %	86-115	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	3.900			98 %	76-114	02/09/12	02/09/12 13:44	CLP trace/R3QA210
Surrogate: Toluene-d8	3.900			98 %	88-110	02/09/12	02/09/12 13:44	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB24**Lab ID:** 1202003-12**Sample Matrix:** Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.3	J		2.0	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Benzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Bromoform	U			1.0	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Chloroform	0.07	J		0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB24**Lab ID:** 1202003-12**Sample Matrix:** Water**Date Collected:** 02/06/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Styrene	U			1.0	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Toluene	0.4	J		0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210
o-Xylene	0.08	J		1.0	1	02/09/12	02/09/12 14:12	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.020			100 %	86-115	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	3.970			99 %	76-114	02/09/12	02/09/12 14:12	CLP trace/R3QA210
Surrogate: Toluene-d8	3.910			98 %	88-110	02/09/12	02/09/12 14:12	CLP trace/R3QA210



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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW15a-P**Lab ID:** 1202003-13**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/08/12	02/09/12 06:50	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/08/12	02/09/12 06:50	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/08/12	02/08/12 14:32	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/08/12	02/09/12 06:50	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/08/12	02/09/12 06:50	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/09/12	02/09/12 16:55	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/09/12	02/09/12 16:55	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/09/12	02/09/12 16:55	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/09/12	02/09/12 16:55	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/09/12	02/09/12 16:55	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Acenaphthylene	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Acetophenone	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Anthracene	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Atrazine	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Benzaldehyde	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Benzo(a)anthracene	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Benzo(a)pyrene	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
1,1-Biphenyl	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW15a-P**Lab ID:** 1202003-13**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.140		B, J	5.00	1	02/10/12	02/13/12 12:28	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Carbazole	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Caprolactam	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
4-Chloroaniline	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
2-Chloronaphthalene	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
2-Chlorophenol	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Chrysene	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Dibenzofuran	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
3,3'-Dichlorobenzidine	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Diethyl phthalate	0.040		B, J	5.00	1	02/10/12	02/13/12 12:28	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Dimethyl phthalate	0.010		J	5.00	1	02/10/12	02/13/12 12:28	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Di-n-butyl phthalate	0.400		B, J	5.00	1	02/10/12	02/13/12 12:28	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/10/12	02/13/12 12:28	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Fluoranthene	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Fluorene	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Hexachlorobenzene	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Hexachlorobutadiene	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Hexachloroethane	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Isophorone	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
2-Methoxyethanol	U		UJ	5.00	1	02/10/12	02/18/12 15:46	R3QA201
1-Methylnaphthalene	U		UJ	5.00	1	02/10/12	02/18/12 15:46	R3QA201
2-Methylnaphthalene	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
2-Methylphenol	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
4-Methylphenol	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
Naphthalene	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
2-Nitroaniline	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201
3-Nitroaniline	U			5.00	1	02/10/12	02/13/12 12:28	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW15a-P**Lab ID:** 1202003-13**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Nitrobenzene	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
2-Nitrophenol	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
4-Nitrophenol	U		10.0	1	02/10/12	02/13/12 12:28	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Pentachlorophenol	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Phenanthrene	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Phenol	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
Pyrene	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 12:28	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	30.6		61 %	21-110	02/10/12	02/13/12 12:28	R3QA201
Surrogate: Phenol-d5	36.9		74 %	10-110	02/10/12	02/13/12 12:28	R3QA201
Surrogate: Nitrobenzene-d5	19.6		78 %	35-114	02/10/12	02/13/12 12:28	R3QA201
Surrogate: 2-Fluorobiphenyl	18.7		75 %	43-116	02/10/12	02/13/12 12:28	R3QA201
Surrogate: 2,4,6-Tribromophenol	39.5		79 %	10-123	02/10/12	02/13/12 12:28	R3QA201
Surrogate: Terphenyl-d14	23.6		94 %	33-141	02/10/12	02/13/12 12:28	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.8	B, J	2.0	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Benzene	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Bromoform	U		1.0	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW15a-P**Lab ID:** 1202003-13**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U			2.0	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Chloroform	0.2	B, J		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Freon 113	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW15a-P**Lab ID:** 1202003-13**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Styrene	U		1.0	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Toluene	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/13/12	02/13/12 13:04	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.150		104 %	86-115	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.180		104 %	76-114	02/13/12	02/13/12 13:04	CLP trace/R3QA210
Surrogate: Toluene-d8	3.890		97 %	88-110	02/13/12	02/13/12 13:04	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW31-P**Lab ID:** 1202003-14**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/08/12	02/09/12 07:11	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/08/12	02/09/12 07:11	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/08/12	02/08/12 14:37	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/08/12	02/09/12 07:11	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/08/12	02/09/12 07:11	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/09/12	02/09/12 17:09	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/09/12	02/09/12 17:09	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/09/12	02/09/12 17:09	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/09/12	02/09/12 17:09	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/09/12	02/09/12 17:09	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Acenaphthylene	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Acetophenone	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Anthracene	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Atrazine	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Benzaldehyde	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Benzo(a)anthracene	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Benzo(a)pyrene	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
1,1-Biphenyl	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW31-P**Lab ID:** 1202003-14**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.150		B, J	5.00	1	02/10/12	02/13/12 13:10	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Carbazole	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Caprolactam	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
4-Chloroaniline	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
2-Chloronaphthalene	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
2-Chlorophenol	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Chrysene	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Dibenzofuran	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
3,3'-Dichlorobenzidine	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Diethyl phthalate	0.020		B, J	5.00	1	02/10/12	02/13/12 13:10	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Dimethyl phthalate	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Di-n-butyl phthalate	0.280		B, J	5.00	1	02/10/12	02/13/12 13:10	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/10/12	02/13/12 13:10	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Di-n-octyl phthalate	0.020		J	5.00	1	02/10/12	02/13/12 13:10	R3QA201
Fluoranthene	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Fluorene	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Hexachlorobenzene	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Hexachlorobutadiene	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Hexachloroethane	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Isophorone	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
2-Methoxyethanol	U		UJ	5.00	1	02/10/12	02/18/12 16:36	R3QA201
1-Methylnaphthalene	U		UJ	5.00	1	02/10/12	02/18/12 16:36	R3QA201
2-Methylnaphthalene	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
2-Methylphenol	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
4-Methylphenol	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
Naphthalene	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
2-Nitroaniline	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201
3-Nitroaniline	U			5.00	1	02/10/12	02/13/12 13:10	R3QA201



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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW31-P**Lab ID:** 1202003-14**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Nitrobenzene	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
2-Nitrophenol	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
4-Nitrophenol	U		10.0	1	02/10/12	02/13/12 13:10	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Pentachlorophenol	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Phenanthrene	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Phenol	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
Pyrene	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 13:10	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	33.2		66 %	21-110	02/10/12	02/13/12 13:10	R3QA201
Surrogate: Phenol-d5	39.9		80 %	10-110	02/10/12	02/13/12 13:10	R3QA201
Surrogate: Nitrobenzene-d5	20.5		82 %	35-114	02/10/12	02/13/12 13:10	R3QA201
Surrogate: 2-Fluorobiphenyl	19.6		79 %	43-116	02/10/12	02/13/12 13:10	R3QA201
Surrogate: 2,4,6-Tribromophenol	31.9		64 %	10-123	02/10/12	02/13/12 13:10	R3QA201
Surrogate: Terphenyl-d14	24.2		97 %	33-141	02/10/12	02/13/12 13:10	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.0	B	2.0	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Benzene	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Bromoform	U		1.0	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW31-P**Lab ID:** 1202003-14**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	4.9			2.0	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Chloroform	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Freon 113	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210



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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW31-P**Lab ID:** 1202003-14**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Styrene	U		1.0	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Toluene	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/13/12	02/13/12 13:33	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.810		95 %	86-115	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.320		108 %	76-114	02/13/12	02/13/12 13:33	CLP trace/R3QA210
Surrogate: Toluene-d8	3.810		95 %	88-110	02/13/12	02/13/12 13:33	CLP trace/R3QA210



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW30**Lab ID:** 1202003-15**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/08/12	02/09/12 07:32	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/08/12	02/09/12 07:32	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/08/12	02/08/12 14:43	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/08/12	02/09/12 07:32	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/08/12	02/09/12 07:32	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/09/12	02/09/12 17:22	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/09/12	02/09/12 17:22	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/09/12	02/09/12 17:22	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/09/12	02/09/12 17:22	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/09/12	02/09/12 17:22	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Acenaphthylene	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Acetophenone	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Anthracene	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Atrazine	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Benzaldehyde	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Benzo(a)anthracene	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Benzo(a)pyrene	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
1,1-Biphenyl	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201

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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW30**Lab ID:** 1202003-15**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.090		B, J	5.00	1	02/10/12	02/13/12 13:52	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Carbazole	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Caprolactam	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
4-Chloroaniline	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
2-Chloronaphthalene	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
2-Chlorophenol	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Chrysene	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Dibenzofuran	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
3,3'-Dichlorobenzidine	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Diethyl phthalate	0.020		B, J	5.00	1	02/10/12	02/13/12 13:52	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Dimethyl phthalate	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Di-n-butyl phthalate	0.260		B, J	5.00	1	02/10/12	02/13/12 13:52	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/10/12	02/13/12 13:52	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Fluoranthene	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Fluorene	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Hexachlorobenzene	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Hexachlorobutadiene	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Hexachloroethane	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Isophorone	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/10/12	02/18/12 17:27	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/10/12	02/18/12 17:27	R3QA201
2-Methylnaphthalene	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
2-Methylphenol	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
4-Methylphenol	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
Naphthalene	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
2-Nitroaniline	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201
3-Nitroaniline	U			5.00	1	02/10/12	02/13/12 13:52	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350


Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Station ID: HW30

Lab ID: 1202003-15

Sample Matrix: Drinking Water

Date Collected: 02/06/2012

Semivolatile Organic Compounds Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Nitrobenzene	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
2-Nitrophenol	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
4-Nitrophenol	U		10.0	1	02/10/12	02/13/12 13:52	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Pentachlorophenol	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Phenanthrene	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Phenol	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
Pyrene	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 13:52	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	31.0		62 %	21-110	02/10/12	02/13/12 13:52	R3QA201
Surrogate: Phenol-d5	36.0		72 %	10-110	02/10/12	02/13/12 13:52	R3QA201
Surrogate: Nitrobenzene-d5	17.8		71 %	35-114	02/10/12	02/13/12 13:52	R3QA201
Surrogate: 2-Fluorobiphenyl	17.8		71 %	43-116	02/10/12	02/13/12 13:52	R3QA201
Surrogate: 2,4,6-Tribromophenol	34.3		69 %	10-123	02/10/12	02/13/12 13:52	R3QA201
Surrogate: Terphenyl-d14	21.3		85 %	33-141	02/10/12	02/13/12 13:52	R3QA201

Volatile Organic Compounds Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Benzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Bromoform	U		1.0	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW30**Lab ID:** 1202003-15**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U		2.0	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Chloroform	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Freon 113	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW30**Lab ID:** 1202003-15**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Styrene	U		1.0	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Toluene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/13/12	02/13/12 14:02	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.020		100 %	86-115	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.050		101 %	76-114	02/13/12	02/13/12 14:02	CLP trace/R3QA210
Surrogate: Toluene-d8	3.910		98 %	88-110	02/13/12	02/13/12 14:02	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW30-P**Lab ID:** 1202003-16**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/08/12	02/09/12 07:52	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/08/12	02/09/12 07:52	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/08/12	02/08/12 14:48	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/08/12	02/09/12 07:52	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/08/12	02/09/12 07:52	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/09/12	02/09/12 17:36	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/09/12	02/09/12 17:36	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/09/12	02/09/12 17:36	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/09/12	02/09/12 17:36	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/09/12	02/09/12 17:36	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Acenaphthylene	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Acetophenone	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Anthracene	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Atrazine	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Benzaldehyde	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Benzo(a)anthracene	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Benzo(a)pyrene	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
1,1-Biphenyl	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW30-P**Lab ID:** 1202003-16**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.110		B, J	5.00	1	02/10/12	02/13/12 14:34	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Carbazole	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Caprolactam	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
4-Chloroaniline	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
2-Chloronaphthalene	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
2-Chlorophenol	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Chrysene	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Dibenzofuran	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
3,3'-Dichlorobenzidine	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Diethyl phthalate	0.020		B, J	5.00	1	02/10/12	02/13/12 14:34	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Dimethyl phthalate	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Di-n-butyl phthalate	0.240		B, J	5.00	1	02/10/12	02/13/12 14:34	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/10/12	02/13/12 14:34	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Fluoranthene	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Fluorene	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Hexachlorobenzene	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Hexachlorobutadiene	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Hexachloroethane	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Isophorone	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/10/12	02/18/12 18:17	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/10/12	02/18/12 18:17	R3QA201
2-Methylnaphthalene	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
2-Methylphenol	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
4-Methylphenol	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
Naphthalene	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
2-Nitroaniline	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201
3-Nitroaniline	U			5.00	1	02/10/12	02/13/12 14:34	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW30-P**Lab ID:** 1202003-16**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Nitrobenzene	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
2-Nitrophenol	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
4-Nitrophenol	U		10.0	1	02/10/12	02/13/12 14:34	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Pentachlorophenol	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Phenanthrene	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Phenol	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
Pyrene	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 14:34	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	35.1		70 %	21-110	02/10/12	02/13/12 14:34	R3QA201
Surrogate: Phenol-d5	39.5		79 %	10-110	02/10/12	02/13/12 14:34	R3QA201
Surrogate: Nitrobenzene-d5	19.9		80 %	35-114	02/10/12	02/13/12 14:34	R3QA201
Surrogate: 2-Fluorobiphenyl	18.6		75 %	43-116	02/10/12	02/13/12 14:34	R3QA201
Surrogate: 2,4,6-Tribromophenol	37.0		74 %	10-123	02/10/12	02/13/12 14:34	R3QA201
Surrogate: Terphenyl-d14	21.9		88 %	33-141	02/10/12	02/13/12 14:34	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Benzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Bromoform	U		1.0	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW30-P**Lab ID:** 1202003-16**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U		2.0	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Chloroform	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Freon 113	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW30-P**Lab ID:** 1202003-16**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Styrene	U		1.0	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Toluene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/13/12	02/13/12 14:31	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.050		101 %	86-115	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.180		104 %	76-114	02/13/12	02/13/12 14:31	CLP trace/R3QA210
Surrogate: Toluene-d8	3.880		97 %	88-110	02/13/12	02/13/12 14:31	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW31**Lab ID:** 1202003-17**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/08/12	02/09/12 08:13	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/08/12	02/09/12 08:13	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/08/12	02/08/12 14:54	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/08/12	02/09/12 08:13	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/08/12	02/09/12 08:13	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/09/12	02/09/12 17:50	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/09/12	02/09/12 17:50	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/09/12	02/09/12 17:50	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/09/12	02/09/12 17:50	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/09/12	02/09/12 17:50	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Acenaphthylene	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Acetophenone	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Anthracene	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Atrazine	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Benzaldehyde	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Benzo(a)anthracene	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Benzo(a)pyrene	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
1,1-Biphenyl	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW31**Lab ID:** 1202003-17**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.090		B, J	5.00	1	02/10/12	02/13/12 15:16	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Carbazole	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Caprolactam	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
4-Chloroaniline	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
2-Chloronaphthalene	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
2-Chlorophenol	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Chrysene	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Dibenzofuran	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
3,3'-Dichlorobenzidine	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Diethyl phthalate	0.030		B, J	5.00	1	02/10/12	02/13/12 15:16	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Dimethyl phthalate	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Di-n-butyl phthalate	0.810		B, J	5.00	1	02/10/12	02/13/12 15:16	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/10/12	02/13/12 15:16	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Fluoranthene	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Fluorene	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Hexachlorobenzene	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Hexachlorobutadiene	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Hexachloroethane	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Isophorone	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/10/12	02/18/12 19:08	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/10/12	02/18/12 19:08	R3QA201
2-Methylnaphthalene	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
2-Methylphenol	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
4-Methylphenol	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
Naphthalene	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
2-Nitroaniline	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201
3-Nitroaniline	U			5.00	1	02/10/12	02/13/12 15:16	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350


Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Station ID: HW31

Lab ID: 1202003-17

Sample Matrix: Drinking Water

Date Collected: 02/06/2012

Semivolatile Organic Compounds Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Nitrobenzene	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
2-Nitrophenol	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
4-Nitrophenol	U		10.0	1	02/10/12	02/13/12 15:16	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Pentachlorophenol	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Phenanthrene	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Phenol	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
Pyrene	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 15:16	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	34.2		68 %	21-110	02/10/12	02/13/12 15:16	R3QA201
Surrogate: Phenol-d5	39.7		79 %	10-110	02/10/12	02/13/12 15:16	R3QA201
Surrogate: Nitrobenzene-d5	20.0		80 %	35-114	02/10/12	02/13/12 15:16	R3QA201
Surrogate: 2-Fluorobiphenyl	19.3		77 %	43-116	02/10/12	02/13/12 15:16	R3QA201
Surrogate: 2,4,6-Tribromophenol	39.8		80 %	10-123	02/10/12	02/13/12 15:16	R3QA201
Surrogate: Terphenyl-d14	24.0		96 %	33-141	02/10/12	02/13/12 15:16	R3QA201

Volatile Organic Compounds Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Benzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Bromoform	U		1.0	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW31**Lab ID:** 1202003-17**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U		2.0	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Chloroform	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Freon 113	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW31**Lab ID:** 1202003-17**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Styrene	U		1.0	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Toluene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/13/12	02/13/12 15:00	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.840		96 %	86-115	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.330		108 %	76-114	02/13/12	02/13/12 15:00	CLP trace/R3QA210
Surrogate: Toluene-d8	3.840		96 %	88-110	02/13/12	02/13/12 15:00	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB11**Lab ID:** 1202003-18**Sample Matrix:** Water**Date Collected:** 02/06/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/08/12	02/09/12 08:33	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/08/12	02/09/12 08:33	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/08/12	02/08/12 14:59	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/08/12	02/09/12 08:33	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/08/12	02/09/12 08:33	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/09/12	02/09/12 18:04	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/09/12	02/09/12 18:04	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/09/12	02/09/12 18:04	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/09/12	02/09/12 18:04	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/09/12	02/09/12 18:04	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Acenaphthylene	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Acetophenone	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Anthracene	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Atrazine	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Benzaldehyde	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Benzo(a)anthracene	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Benzo(a)pyrene	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
1,1-Biphenyl	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB11**Lab ID:** 1202003-18**Sample Matrix:** Water**Date Collected:** 02/06/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.120		B, J	5.00	1	02/10/12	02/13/12 15:58	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Carbazole	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Caprolactam	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
4-Chloroaniline	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
2-Chloronaphthalene	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
2-Chlorophenol	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Chrysene	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Dibenzofuran	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
3,3'-Dichlorobenzidine	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Diethyl phthalate	0.020		B, J	5.00	1	02/10/12	02/13/12 15:58	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Dimethyl phthalate	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Di-n-butyl phthalate	0.220		B, J	5.00	1	02/10/12	02/13/12 15:58	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/10/12	02/13/12 15:58	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Fluoranthene	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Fluorene	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Hexachlorobenzene	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Hexachlorobutadiene	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Hexachloroethane	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Isophorone	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/10/12	02/18/12 19:58	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/10/12	02/18/12 19:58	R3QA201
2-Methylnaphthalene	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
2-Methylphenol	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
4-Methylphenol	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
Naphthalene	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
2-Nitroaniline	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201
3-Nitroaniline	U			5.00	1	02/10/12	02/13/12 15:58	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB11**Lab ID:** 1202003-18**Sample Matrix:** Water**Date Collected:** 02/06/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Nitrobenzene	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
2-Nitrophenol	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
4-Nitrophenol	U		10.0	1	02/10/12	02/13/12 15:58	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Pentachlorophenol	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Phenanthrene	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Phenol	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
Pyrene	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 15:58	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	28.1		56 %	21-110	02/10/12	02/13/12 15:58	R3QA201
Surrogate: Phenol-d5	33.3		67 %	10-110	02/10/12	02/13/12 15:58	R3QA201
Surrogate: Nitrobenzene-d5	16.8		67 %	35-114	02/10/12	02/13/12 15:58	R3QA201
Surrogate: 2-Fluorobiphenyl	16.6		66 %	43-116	02/10/12	02/13/12 15:58	R3QA201
Surrogate: 2,4,6-Tribromophenol	32.5		65 %	10-123	02/10/12	02/13/12 15:58	R3QA201
Surrogate: Terphenyl-d14	21.0		84 %	33-141	02/10/12	02/13/12 15:58	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.3	J	2.0	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Benzene	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Bromoform	U		1.0	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB11**Lab ID:** 1202003-18**Sample Matrix:** Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U			2.0	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Chloroform	0.1	J		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Freon 113	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB11**Lab ID:** 1202003-18**Sample Matrix:** Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Toluene	0.3	J	0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210
o-Xylene	0.06	J	1.0	1	02/09/12	02/09/12 16:37	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.870		97 %	86-115	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.240		106 %	76-114	02/09/12	02/09/12 16:37	CLP trace/R3QA210
Surrogate: Toluene-d8	3.900		98 %	88-110	02/09/12	02/09/12 16:37	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW31z**Lab ID:** 1202003-19**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/08/12	02/09/12 08:54	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/08/12	02/09/12 08:54	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/08/12	02/08/12 15:05	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/08/12	02/09/12 08:54	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/08/12	02/09/12 08:54	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/09/12	02/09/12 18:17	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/09/12	02/09/12 18:17	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/09/12	02/09/12 18:17	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/09/12	02/09/12 18:17	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/09/12	02/09/12 18:17	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Acenaphthylene	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Acetophenone	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Anthracene	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Atrazine	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Benzaldehyde	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Benzo(a)anthracene	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Benzo(a)pyrene	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
1,1-Biphenyl	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201



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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW31z**Lab ID:** 1202003-19**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.140		B, J	5.00	1	02/10/12	02/13/12 16:40	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Carbazole	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Caprolactam	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
4-Chloroaniline	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
2-Chloronaphthalene	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
2-Chlorophenol	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Chrysene	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Dibenzofuran	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
3,3'-Dichlorobenzidine	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Diethyl phthalate	0.010		B, J	5.00	1	02/10/12	02/13/12 16:40	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Dimethyl phthalate	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Di-n-butyl phthalate	0.230		B, J	5.00	1	02/10/12	02/13/12 16:40	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/10/12	02/13/12 16:40	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Fluoranthene	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Fluorene	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Hexachlorobenzene	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Hexachlorobutadiene	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Hexachloroethane	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Isophorone	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/10/12	02/18/12 20:48	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/10/12	02/18/12 20:48	R3QA201
2-Methylnaphthalene	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
2-Methylphenol	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
4-Methylphenol	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
Naphthalene	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
2-Nitroaniline	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201
3-Nitroaniline	U			5.00	1	02/10/12	02/13/12 16:40	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW31z**Lab ID:** 1202003-19**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Nitrobenzene	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
2-Nitrophenol	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
4-Nitrophenol	U		10.0	1	02/10/12	02/13/12 16:40	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Pentachlorophenol	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Phenanthrene	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Phenol	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
Pyrene	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 16:40	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	34.1		68 %	21-110	02/10/12	02/13/12 16:40	R3QA201
Surrogate: Phenol-d5	39.6		79 %	10-110	02/10/12	02/13/12 16:40	R3QA201
Surrogate: Nitrobenzene-d5	19.2		77 %	35-114	02/10/12	02/13/12 16:40	R3QA201
Surrogate: 2-Fluorobiphenyl	19.1		76 %	43-116	02/10/12	02/13/12 16:40	R3QA201
Surrogate: 2,4,6-Tribromophenol	41.7		83 %	10-123	02/10/12	02/13/12 16:40	R3QA201
Surrogate: Terphenyl-d14	23.5		94 %	33-141	02/10/12	02/13/12 16:40	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Benzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Bromoform	U		1.0	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW31z**Lab ID:** 1202003-19**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U		2.0	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Chloroform	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Freon 113	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW31z**Lab ID:** 1202003-19**Sample Matrix:** Drinking Water**Date Collected:** 02/06/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Styrene	U		1.0	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Toluene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/13/12	02/13/12 16:18	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.770		94 %	86-115	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.460		112 %	76-114	02/13/12	02/13/12 16:18	CLP trace/R3QA210
Surrogate: Toluene-d8	3.830		96 %	88-110	02/13/12	02/13/12 16:18	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW15a**Lab ID:** 1202003-20**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/08/12	02/09/12 09:55	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/08/12	02/09/12 09:55	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/08/12	02/08/12 21:00	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/08/12	02/09/12 09:55	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/08/12	02/09/12 09:55	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/09/12	02/09/12 18:31	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/09/12	02/09/12 18:31	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/09/12	02/09/12 18:31	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/09/12	02/09/12 18:31	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/09/12	02/09/12 18:31	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Acenaphthylene	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Acetophenone	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Anthracene	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Atrazine	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Benzaldehyde	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Benzo(a)anthracene	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Benzo(a)pyrene	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
1,1-Biphenyl	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW15a**Lab ID:** 1202003-20**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.120		B, J	5.00	1	02/10/12	02/13/12 17:22	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Carbazole	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Caprolactam	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
4-Chloroaniline	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
2-Chloronaphthalene	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
2-Chlorophenol	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Chrysene	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Dibenzofuran	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
3,3'-Dichlorobenzidine	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Diethyl phthalate	0.020		B, J	5.00	1	02/10/12	02/13/12 17:22	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Dimethyl phthalate	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Di-n-butyl phthalate	0.270		B, J	5.00	1	02/10/12	02/13/12 17:22	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/10/12	02/13/12 17:22	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Fluoranthene	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Fluorene	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Hexachlorobenzene	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Hexachlorobutadiene	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Hexachloroethane	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Isophorone	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/10/12	02/18/12 23:18	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/10/12	02/18/12 23:18	R3QA201
2-Methylnaphthalene	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
2-Methylphenol	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
4-Methylphenol	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
Naphthalene	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
2-Nitroaniline	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201
3-Nitroaniline	U			5.00	1	02/10/12	02/13/12 17:22	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350


Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Station ID: HW15a

Lab ID: 1202003-20

Sample Matrix: Drinking Water

Date Collected: 02/07/2012

Semivolatile Organic Compounds Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Nitrobenzene	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
2-Nitrophenol	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
4-Nitrophenol	U		10.0	1	02/10/12	02/13/12 17:22	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Pentachlorophenol	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Phenanthrene	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Phenol	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
Pyrene	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 17:22	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	32.5		65 %	21-110	02/10/12	02/13/12 17:22	R3QA201
Surrogate: Phenol-d5	38.6		77 %	10-110	02/10/12	02/13/12 17:22	R3QA201
Surrogate: Nitrobenzene-d5	19.2		77 %	35-114	02/10/12	02/13/12 17:22	R3QA201
Surrogate: 2-Fluorobiphenyl	18.4		74 %	43-116	02/10/12	02/13/12 17:22	R3QA201
Surrogate: 2,4,6-Tribromophenol	41.9		84 %	10-123	02/10/12	02/13/12 17:22	R3QA201
Surrogate: Terphenyl-d14	24.9		100 %	33-141	02/10/12	02/13/12 17:22	R3QA201

Volatile Organic Compounds Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Benzene	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Bromoform	U		1.0	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW15a**Lab ID:** 1202003-20**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U			2.0	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Chloroform	0.2	B, J		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Freon 113	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW15a**Lab ID:** 1202003-20**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Styrene	U		1.0	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Toluene	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/13/12	02/13/12 16:47	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.860		96 %	86-115	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	3.920		98 %	76-114	02/13/12	02/13/12 16:47	CLP trace/R3QA210
Surrogate: Toluene-d8	3.920		98 %	88-110	02/13/12	02/13/12 16:47	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB25**Lab ID:** 1202003-21**Sample Matrix:** Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.7	J		2.0	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Benzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Bromoform	U			1.0	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Chloroform	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB25**Lab ID:** 1202003-21**Sample Matrix:** Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Styrene	U			1.0	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Toluene	0.4	J		0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210
o-Xylene	0.08	J		1.0	1	02/09/12	02/09/12 14:43	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.020			100 %	86-115	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.060			102 %	76-114	02/09/12	02/09/12 14:43	CLP trace/R3QA210
Surrogate: Toluene-d8	3.820			96 %	88-110	02/09/12	02/09/12 14:43	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB26**Lab ID:** 1202003-22**Sample Matrix:** Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.0	J		2.0	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Benzene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Bromoform	U			1.0	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Chloroform	0.08	J		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB26**Lab ID:** 1202003-22**Sample Matrix:** Water**Date Collected:** 02/06/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Toluene	0.5		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210
o-Xylene	0.08	J	1.0	1	02/09/12	02/09/12 15:11	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.090		102 %	86-115	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.370		109 %	76-114	02/09/12	02/09/12 15:11	CLP trace/R3QA210
Surrogate: Toluene-d8	3.960		99 %	88-110	02/09/12	02/09/12 15:11	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB28**Lab ID:** 1202003-23**Sample Matrix:** Water**Date Collected:** 02/07/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.9	J		2.0	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Benzene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Bromoform	U			1.0	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Chloroform	0.1	J		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB28**Lab ID:** 1202003-23**Sample Matrix:** Water**Date Collected:** 02/07/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Toluene	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210
o-Xylene	0.1	J	1.0	1	02/09/12	02/09/12 15:39	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.030		101 %	86-115	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.230		106 %	76-114	02/09/12	02/09/12 15:39	CLP trace/R3QA210
Surrogate: Toluene-d8	3.900		98 %	88-110	02/09/12	02/09/12 15:39	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW38-P**Lab ID:** 1202003-32**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/10/12	02/11/12 12:42	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/10/12	02/11/12 12:42	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/10/12	02/10/12 12:45	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/10/12	02/11/12 12:42	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/10/12	02/11/12 12:42	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/10/12	02/10/12 17:38	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/10/12	02/10/12 17:38	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/10/12	02/10/12 17:38	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/10/12	02/10/12 17:38	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/10/12	02/10/12 17:38	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Acenaphthylene	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Acetophenone	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Anthracene	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Atrazine	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Benzaldehyde	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Benzo(a)anthracene	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Benzo(a)pyrene	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
1,1-Biphenyl	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW38-P**Lab ID:** 1202003-32**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.200		B, J	5.00	1	02/10/12	02/13/12 18:04	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Carbazole	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Caprolactam	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
4-Chloroaniline	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
2-Chloronaphthalene	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
2-Chlorophenol	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Chrysene	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Dibenzofuran	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
3,3'-Dichlorobenzidine	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Diethyl phthalate	0.010		B, J	5.00	1	02/10/12	02/13/12 18:04	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Dimethyl phthalate	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Di-n-butyl phthalate	0.220		B, J	5.00	1	02/10/12	02/13/12 18:04	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/10/12	02/13/12 18:04	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Fluoranthene	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Fluorene	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Hexachlorobenzene	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Hexachlorobutadiene	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Hexachloroethane	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Isophorone	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/10/12	02/19/12 00:09	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/10/12	02/19/12 00:09	R3QA201
2-Methylnaphthalene	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
2-Methylphenol	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
4-Methylphenol	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
Naphthalene	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
2-Nitroaniline	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201
3-Nitroaniline	U			5.00	1	02/10/12	02/13/12 18:04	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW38-P**Lab ID:** 1202003-32**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Nitrobenzene	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
2-Nitrophenol	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
4-Nitrophenol	U		10.0	1	02/10/12	02/13/12 18:04	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Pentachlorophenol	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Phenanthrene	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Phenol	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
Pyrene	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 18:04	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	34.7		69 %	21-110	02/10/12	02/13/12 18:04	R3QA201
Surrogate: Phenol-d5	39.8		80 %	10-110	02/10/12	02/13/12 18:04	R3QA201
Surrogate: Nitrobenzene-d5	20.0		80 %	35-114	02/10/12	02/13/12 18:04	R3QA201
Surrogate: 2-Fluorobiphenyl	18.8		75 %	43-116	02/10/12	02/13/12 18:04	R3QA201
Surrogate: 2,4,6-Tribromophenol	39.4		79 %	10-123	02/10/12	02/13/12 18:04	R3QA201
Surrogate: Terphenyl-d14	23.1		92 %	33-141	02/10/12	02/13/12 18:04	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Benzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Bromoform	U		1.0	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW38-P**Lab ID:** 1202003-32**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U		2.0	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Chloroform	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Freon 113	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW38-P**Lab ID:** 1202003-32**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Styrene	U		1.0	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Toluene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/13/12	02/13/12 17:16	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.870		97 %	86-115	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.390		110 %	76-114	02/13/12	02/13/12 17:16	CLP trace/R3QA210
Surrogate: Toluene-d8	3.790		95 %	88-110	02/13/12	02/13/12 17:16	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB13**Lab ID:** 1202003-33**Sample Matrix:** Water**Date Collected:** 02/08/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/10/12	02/11/12 01:02	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/10/12	02/11/12 01:02	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/10/12	02/10/12 12:51	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/10/12	02/11/12 01:02	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/10/12	02/11/12 01:02	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/10/12	02/10/12 18:19	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/10/12	02/10/12 18:19	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/10/12	02/10/12 18:19	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/10/12	02/10/12 18:19	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/10/12	02/10/12 18:19	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Acenaphthylene	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Acetophenone	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Anthracene	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Atrazine	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Benzaldehyde	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Benzo(a)anthracene	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Benzo(a)pyrene	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
1,1-Biphenyl	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB13**Lab ID:** 1202003-33**Sample Matrix:** Water**Date Collected:** 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.070		B, J	5.00	1	02/10/12	02/13/12 18:46	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Carbazole	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Caprolactam	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
4-Chloroaniline	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
2-Chloronaphthalene	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
2-Chlorophenol	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Chrysene	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Dibenzofuran	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
3,3'-Dichlorobenzidine	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Diethyl phthalate	0.020		B, J	5.00	1	02/10/12	02/13/12 18:46	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Dimethyl phthalate	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Di-n-butyl phthalate	0.280		B, J	5.00	1	02/10/12	02/13/12 18:46	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/10/12	02/13/12 18:46	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Fluoranthene	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Fluorene	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Hexachlorobenzene	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Hexachlorobutadiene	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Hexachloroethane	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Isophorone	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/10/12	02/19/12 00:59	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/10/12	02/19/12 00:59	R3QA201
2-Methylnaphthalene	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
2-Methylphenol	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
4-Methylphenol	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
Naphthalene	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
2-Nitroaniline	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201
3-Nitroaniline	U			5.00	1	02/10/12	02/13/12 18:46	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB13**Lab ID:** 1202003-33**Sample Matrix:** Water**Date Collected:** 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Nitrobenzene	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
2-Nitrophenol	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
4-Nitrophenol	U		10.0	1	02/10/12	02/13/12 18:46	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Pentachlorophenol	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Phenanthrene	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Phenol	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
Pyrene	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 18:46	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	32.4		65 %	21-110	02/10/12	02/13/12 18:46	R3QA201
Surrogate: Phenol-d5	39.2		78 %	10-110	02/10/12	02/13/12 18:46	R3QA201
Surrogate: Nitrobenzene-d5	19.6		78 %	35-114	02/10/12	02/13/12 18:46	R3QA201
Surrogate: 2-Fluorobiphenyl	18.9		76 %	43-116	02/10/12	02/13/12 18:46	R3QA201
Surrogate: 2,4,6-Tribromophenol	41.9		84 %	10-123	02/10/12	02/13/12 18:46	R3QA201
Surrogate: Terphenyl-d14	25.8		103 %	33-141	02/10/12	02/13/12 18:46	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	2.9	J	2.0	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Benzene	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Bromoform	U		1.0	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB13**Lab ID:** 1202003-33**Sample Matrix:** Water**Date Collected:** 02/08/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U			2.0	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Chloroform	0.09	J		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Freon 113	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB13**Lab ID:** 1202003-33**Sample Matrix:** Water**Date Collected:** 02/08/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Toluene	0.4	J	0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210
o-Xylene	0.09	J	1.0	1	02/09/12	02/09/12 17:05	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.110		103 %	86-115	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	3.920		98 %	76-114	02/09/12	02/09/12 17:05	CLP trace/R3QA210
Surrogate: Toluene-d8	4.020		100 %	88-110	02/09/12	02/09/12 17:05	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB12**Lab ID:** 1202003-34**Sample Matrix:** Water**Date Collected:** 02/07/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/10/12	02/11/12 01:23	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/10/12	02/11/12 01:23	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/10/12	02/10/12 12:56	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/10/12	02/11/12 01:23	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/10/12	02/11/12 01:23	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/10/12	02/10/12 18:33	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/10/12	02/10/12 18:33	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/10/12	02/10/12 18:33	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/10/12	02/10/12 18:33	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/10/12	02/10/12 18:33	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Acenaphthylene	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Acetophenone	0.010	J	5.00	1	02/10/12	02/13/12 19:29	R3QA201
Anthracene	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Atrazine	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Benzaldehyde	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Benzo(a)anthracene	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Benzo(a)pyrene	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
1,1-Biphenyl	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB12**Lab ID:** 1202003-34**Sample Matrix:** Water**Date Collected:** 02/07/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.110		B, J	5.00	1	02/10/12	02/13/12 19:29	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Carbazole	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Caprolactam	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
4-Chloroaniline	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
2-Chloronaphthalene	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
2-Chlorophenol	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Chrysene	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Dibenzofuran	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
3,3'-Dichlorobenzidine	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Diethyl phthalate	0.020		B, J	5.00	1	02/10/12	02/13/12 19:29	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Dimethyl phthalate	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Di-n-butyl phthalate	0.310		B, J	5.00	1	02/10/12	02/13/12 19:29	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/10/12	02/13/12 19:29	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Fluoranthene	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Fluorene	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Hexachlorobenzene	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Hexachlorobutadiene	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Hexachloroethane	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Isophorone	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/10/12	02/19/12 01:50	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/10/12	02/19/12 01:50	R3QA201
2-Methylnaphthalene	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
2-Methylphenol	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
4-Methylphenol	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
Naphthalene	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
2-Nitroaniline	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201
3-Nitroaniline	U			5.00	1	02/10/12	02/13/12 19:29	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB12**Lab ID:** 1202003-34**Sample Matrix:** Water**Date Collected:** 02/07/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Nitrobenzene	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
2-Nitrophenol	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
4-Nitrophenol	U		10.0	1	02/10/12	02/13/12 19:29	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Pentachlorophenol	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Phenanthrene	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Phenol	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
Pyrene	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 19:29	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	23.9		48 %	21-110	02/10/12	02/13/12 19:29	R3QA201
Surrogate: Phenol-d5	34.0		68 %	10-110	02/10/12	02/13/12 19:29	R3QA201
Surrogate: Nitrobenzene-d5	14.9		60 %	35-114	02/10/12	02/13/12 19:29	R3QA201
Surrogate: 2-Fluorobiphenyl	17.0		68 %	43-116	02/10/12	02/13/12 19:29	R3QA201
Surrogate: 2,4,6-Tribromophenol	41.7		83 %	10-123	02/10/12	02/13/12 19:29	R3QA201
Surrogate: Terphenyl-d14	23.4		93 %	33-141	02/10/12	02/13/12 19:29	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.3	J	2.0	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Benzene	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Bromoform	U		1.0	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB12**Lab ID:** 1202003-34**Sample Matrix:** Water**Date Collected:** 02/07/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U			2.0	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Chloroform	0.1	J		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Freon 113	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210

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Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB12**Lab ID:** 1202003-34**Sample Matrix:** Water**Date Collected:** 02/07/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Toluene	0.5		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210
o-Xylene	0.08	J	1.0	1	02/09/12	02/09/12 17:33	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.850		96 %	86-115	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.280		107 %	76-114	02/09/12	02/09/12 17:33	CLP trace/R3QA210
Surrogate: Toluene-d8	3.870		97 %	88-110	02/09/12	02/09/12 17:33	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW47**Lab ID:** 1202003-35**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/10/12	02/11/12 01:43	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/10/12	02/11/12 01:43	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/10/12	02/10/12 13:02	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/10/12	02/11/12 01:43	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/10/12	02/11/12 01:43	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/10/12	02/10/12 18:47	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/10/12	02/10/12 18:47	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/10/12	02/10/12 18:47	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/10/12	02/10/12 18:47	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/10/12	02/10/12 18:47	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Acenaphthylene	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Acetophenone	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Anthracene	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Atrazine	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Benzaldehyde	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Benzo(a)anthracene	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Benzo(a)pyrene	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
1,1-Biphenyl	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201

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Office of Analytical Services and Quality Assurance
701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW47**Lab ID:** 1202003-35**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.360		B, J	5.00	1	02/10/12	02/13/12 21:36	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Butyl benzyl phthalate	0.070		J	5.00	1	02/10/12	02/13/12 21:36	R3QA201
Carbazole	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Caprolactam	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
4-Chloroaniline	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
2-Chloronaphthalene	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
2-Chlorophenol	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Chrysene	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Dibenzofuran	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
3,3'-Dichlorobenzidine	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Diethyl phthalate	0.140		B, J	5.00	1	02/10/12	02/13/12 21:36	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Dimethyl phthalate	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Di-n-butyl phthalate	0.630		B, J	5.00	1	02/10/12	02/13/12 21:36	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/10/12	02/13/12 21:36	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Fluoranthene	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Fluorene	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Hexachlorobenzene	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Hexachlorobutadiene	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Hexachloroethane	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Isophorone	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
2-Methoxyethanol	U		UJ	5.00	1	02/10/12	02/19/12 02:40	R3QA201
1-Methylnaphthalene	U		UJ	5.00	1	02/10/12	02/19/12 02:40	R3QA201
2-Methylnaphthalene	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
2-Methylphenol	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
4-Methylphenol	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
Naphthalene	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
2-Nitroaniline	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201
3-Nitroaniline	U			5.00	1	02/10/12	02/13/12 21:36	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW47**Lab ID:** 1202003-35**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Nitrobenzene	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
2-Nitrophenol	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
4-Nitrophenol	U		10.0	1	02/10/12	02/13/12 21:36	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Pentachlorophenol	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Phenanthrene	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Phenol	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
Pyrene	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 21:36	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	35.2		70 %	21-110	02/10/12	02/13/12 21:36	R3QA201
Surrogate: Phenol-d5	41.2		82 %	10-110	02/10/12	02/13/12 21:36	R3QA201
Surrogate: Nitrobenzene-d5	21.1		84 %	35-114	02/10/12	02/13/12 21:36	R3QA201
Surrogate: 2-Fluorobiphenyl	19.4		78 %	43-116	02/10/12	02/13/12 21:36	R3QA201
Surrogate: 2,4,6-Tribromophenol	46.2		92 %	10-123	02/10/12	02/13/12 21:36	R3QA201
Surrogate: Terphenyl-d14	25.1		101 %	33-141	02/10/12	02/13/12 21:36	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Benzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Bromoform	U		1.0	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW47**Lab ID:** 1202003-35**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U		2.0	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Chloroform	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Freon 113	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350


Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Station ID: HW47

Lab ID: 1202003-35

Sample Matrix: Drinking Water

Date Collected: 02/08/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Styrene	U		1.0	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Toluene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/13/12	02/13/12 17:45	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.890		97 %	86-115	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.360		109 %	76-114	02/13/12	02/13/12 17:45	CLP trace/R3QA210
Surrogate: Toluene-d8	3.830		96 %	88-110	02/13/12	02/13/12 17:45	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW51**Lab ID:** 1202003-36**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/10/12	02/11/12 02:04	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/10/12	02/11/12 02:04	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/10/12	02/10/12 13:06	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/10/12	02/11/12 02:04	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/10/12	02/11/12 02:04	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/10/12	02/10/12 19:00	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/10/12	02/10/12 19:00	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/10/12	02/10/12 19:00	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/10/12	02/10/12 19:00	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/10/12	02/10/12 19:00	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Acenaphthylene	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Acetophenone	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Anthracene	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Atrazine	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Benzaldehyde	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Benzo(a)anthracene	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Benzo(a)pyrene	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Benzo(b)fluoranthene	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Benzo(ghi)perylene	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Benzo(k)fluoranthene	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
1,1-Biphenyl	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Bis(2-chloroethoxy)methane	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Bis(2-chloroethyl)ether	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Bis(2-chloroisopropyl)ether	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201



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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW51**Lab ID:** 1202003-36**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.150	B, J	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
4-Bromophenyl phenyl ether	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Butyl benzyl phthalate	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Carbazole	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Caprolactam	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
4-Chloroaniline	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
4-Chloro-3-methylphenol	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
2-Chloronaphthalene	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
2-Chlorophenol	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
4-Chlorophenyl phenyl ether	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Chrysene	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Dibenz(a,h)anthracene	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Dibenzofuran	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
3,3'-Dichlorobenzidine	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Diethyl phthalate	0.030	B, J	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
2,4-Dichlorophenol	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
2,4-Dimethylphenol	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Dimethyl phthalate	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
2,4-Dinitrophenol	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Di-n-butyl phthalate	0.400	B, J	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
4,6-Dinitro-2-methylphenol	U		UJ	10.0	1	02/10/12	02/13/12 22:19	R3QA201
2,4-Dinitrotoluene	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
2,6-Dinitrotoluene	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Di-n-octyl phthalate	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Fluoranthene	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Fluorene	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Hexachlorobenzene	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Hexachlorobutadiene	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Hexachlorocyclopentadiene	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Hexachloroethane	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Indeno(1,2,3-cd)pyrene	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Isophorone	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
2-Methoxyethanol	U		UJ	5.00	1	02/10/12	02/19/12 03:30	R3QA201
1-Methylnaphthalene	U		UJ	5.00	1	02/10/12	02/19/12 03:30	R3QA201
2-Methylnaphthalene	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
2-Methylphenol	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
4-Methylphenol	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Naphthalene	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
2-Nitroaniline	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
3-Nitroaniline	U		UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201



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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW51**Lab ID:** 1202003-36**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Nitrobenzene	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
2-Nitrophenol	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
4-Nitrophenol	U	UJ	10.0	1	02/10/12	02/13/12 22:19	R3QA201
N-Nitrosodimethylamine	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
N-Nitroso-di-n-propylamine	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
N-Nitrosodiphenylamine	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Pentachlorophenol	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Phenanthrene	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Phenol	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
Pyrene	0.010	UJ, J	5.00	1	02/10/12	02/13/12 22:19	R3QA201
1,2,4,5-Tetrachlorobenzene	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
2,3,4,6-Tetrachlorophenol	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
2,4,5-Trichlorophenol	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201
2,4,6-Trichlorophenol	U	UJ	5.00	1	02/10/12	02/13/12 22:19	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	3.08	A, UJ	6 %	21-110	02/10/12	02/13/12 22:19	R3QA201
Surrogate: Phenol-d5	16.9	UJ	34 %	10-110	02/10/12	02/13/12 22:19	R3QA201
Surrogate: Nitrobenzene-d5	3.91	A, UJ	16 %	35-114	02/10/12	02/13/12 22:19	R3QA201
Surrogate: 2-Fluorobiphenyl	13.0	UJ	52 %	43-116	02/10/12	02/13/12 22:19	R3QA201
Surrogate: 2,4,6-Tribromophenol	44.2	UJ	88 %	10-123	02/10/12	02/13/12 22:19	R3QA201
Surrogate: Terphenyl-d14	25.1	UJ	100 %	33-141	02/10/12	02/13/12 22:19	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Benzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Bromoform	U		1.0	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210



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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW51**Lab ID:** 1202003-36**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U		2.0	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Chloroform	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Freon 113	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW51**Lab ID:** 1202003-36**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Styrene	U		1.0	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Toluene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/13/12	02/13/12 18:14	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.960		99 %	86-115	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.230		106 %	76-114	02/13/12	02/13/12 18:14	CLP trace/R3QA210
Surrogate: Toluene-d8	3.940		98 %	88-110	02/13/12	02/13/12 18:14	CLP trace/R3QA210



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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW38**Lab ID:** 1202003-37**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/10/12	02/11/12 02:24	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/10/12	02/11/12 02:24	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/10/12	02/10/12 13:13	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/10/12	02/11/12 02:24	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/10/12	02/11/12 02:24	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/10/12	02/10/12 19:14	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/10/12	02/10/12 19:14	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/10/12	02/10/12 19:14	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/10/12	02/10/12 19:14	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/10/12	02/10/12 19:14	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Acenaphthylene	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Acetophenone	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Anthracene	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Atrazine	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Benzaldehyde	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Benzo(a)anthracene	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Benzo(a)pyrene	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
1,1-Biphenyl	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201



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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW38**Lab ID:** 1202003-37**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.360		B, J	5.00	1	02/10/12	02/13/12 23:02	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Carbazole	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Caprolactam	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
4-Chloroaniline	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
2-Chloronaphthalene	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
2-Chlorophenol	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Chrysene	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Dibenzofuran	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
3,3'-Dichlorobenzidine	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Diethyl phthalate	0.030		B, J	5.00	1	02/10/12	02/13/12 23:02	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Dimethyl phthalate	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Di-n-butyl phthalate	0.210		B, J	5.00	1	02/10/12	02/13/12 23:02	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/10/12	02/13/12 23:02	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Fluoranthene	0.010		J	5.00	1	02/10/12	02/13/12 23:02	R3QA201
Fluorene	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Hexachlorobenzene	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Hexachlorobutadiene	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Hexachloroethane	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Isophorone	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
2-Methoxyethanol	U		UJ	5.00	1	02/10/12	02/19/12 04:20	R3QA201
1-Methylnaphthalene	U		UJ	5.00	1	02/10/12	02/19/12 04:20	R3QA201
2-Methylnaphthalene	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
2-Methylphenol	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
4-Methylphenol	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
Naphthalene	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
2-Nitroaniline	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201
3-Nitroaniline	U			5.00	1	02/10/12	02/13/12 23:02	R3QA201



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW38**Lab ID:** 1202003-37**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Nitrobenzene	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
2-Nitrophenol	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
4-Nitrophenol	U		10.0	1	02/10/12	02/13/12 23:02	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Pentachlorophenol	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Phenanthrene	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Phenol	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
Pyrene	0.010	J	5.00	1	02/10/12	02/13/12 23:02	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 23:02	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	30.8		62 %	21-110	02/10/12	02/13/12 23:02	R3QA201
Surrogate: Phenol-d5	36.4		73 %	10-110	02/10/12	02/13/12 23:02	R3QA201
Surrogate: Nitrobenzene-d5	18.7		75 %	35-114	02/10/12	02/13/12 23:02	R3QA201
Surrogate: 2-Fluorobiphenyl	17.8		71 %	43-116	02/10/12	02/13/12 23:02	R3QA201
Surrogate: 2,4,6-Tribromophenol	41.8		84 %	10-123	02/10/12	02/13/12 23:02	R3QA201
Surrogate: Terphenyl-d14	23.3		93 %	33-141	02/10/12	02/13/12 23:02	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Benzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Bromoform	U		1.0	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210



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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW38**Lab ID:** 1202003-37**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U		2.0	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Chloroform	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Freon 113	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW38**Lab ID:** 1202003-37**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Styrene	U		1.0	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Toluene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/13/12	02/13/12 18:43	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.660		92 %	86-115	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.280		107 %	76-114	02/13/12	02/13/12 18:43	CLP trace/R3QA210
Surrogate: Toluene-d8	3.810		95 %	88-110	02/13/12	02/13/12 18:43	CLP trace/R3QA210



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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW51-P**Lab ID:** 1202003-38**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/10/12	02/11/12 02:45	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/10/12	02/11/12 02:45	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/10/12	02/10/12 13:19	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/10/12	02/11/12 02:45	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/10/12	02/11/12 02:45	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/10/12	02/10/12 19:28	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/10/12	02/10/12 19:28	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/10/12	02/10/12 19:28	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/10/12	02/10/12 19:28	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/10/12	02/10/12 19:28	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Acenaphthylene	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Acetophenone	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Anthracene	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Atrazine	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Benzaldehyde	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Benzo(a)anthracene	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Benzo(a)pyrene	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
1,1-Biphenyl	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW51-P**Lab ID:** 1202003-38**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.110		B, J	5.00	1	02/10/12	02/13/12 23:44	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Carbazole	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Caprolactam	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
4-Chloroaniline	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
2-Chloronaphthalene	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
2-Chlorophenol	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Chrysene	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Dibenzofuran	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
3,3'-Dichlorobenzidine	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Diethyl phthalate	0.020		B, J	5.00	1	02/10/12	02/13/12 23:44	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Dimethyl phthalate	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Di-n-butyl phthalate	0.240		B, J	5.00	1	02/10/12	02/13/12 23:44	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/10/12	02/13/12 23:44	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Fluoranthene	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Fluorene	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Hexachlorobenzene	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Hexachlorobutadiene	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Hexachloroethane	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Isophorone	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/10/12	02/19/12 05:11	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/10/12	02/19/12 05:11	R3QA201
2-Methylnaphthalene	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
2-Methylphenol	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
4-Methylphenol	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
Naphthalene	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
2-Nitroaniline	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201
3-Nitroaniline	U			5.00	1	02/10/12	02/13/12 23:44	R3QA201



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW51-P**Lab ID:** 1202003-38**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Nitrobenzene	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
2-Nitrophenol	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
4-Nitrophenol	U		10.0	1	02/10/12	02/13/12 23:44	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Pentachlorophenol	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Phenanthrene	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Phenol	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
Pyrene	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/10/12	02/13/12 23:44	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	30.4		61 %	21-110	02/10/12	02/13/12 23:44	R3QA201
Surrogate: Phenol-d5	34.4		69 %	10-110	02/10/12	02/13/12 23:44	R3QA201
Surrogate: Nitrobenzene-d5	17.6		70 %	35-114	02/10/12	02/13/12 23:44	R3QA201
Surrogate: 2-Fluorobiphenyl	16.8		67 %	43-116	02/10/12	02/13/12 23:44	R3QA201
Surrogate: 2,4,6-Tribromophenol	36.6		73 %	10-123	02/10/12	02/13/12 23:44	R3QA201
Surrogate: Terphenyl-d14	21.1		84 %	33-141	02/10/12	02/13/12 23:44	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.4	B, J	2.0	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Benzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Bromoform	U		1.0	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW51-P**Lab ID:** 1202003-38**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U		2.0	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Chloroform	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Freon 113	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW51-P**Lab ID:** 1202003-38**Sample Matrix:** Drinking Water**Date Collected:** 02/07/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Styrene	U		1.0	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Toluene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/13/12	02/13/12 19:11	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.930		98 %	86-115	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.170		104 %	76-114	02/13/12	02/13/12 19:11	CLP trace/R3QA210
Surrogate: Toluene-d8	3.920		98 %	88-110	02/13/12	02/13/12 19:11	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW47-P**Lab ID:** 1202003-39**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012**HPLC Identification****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butoxyethanol	U		5.0	1	02/10/12	02/11/12 03:05	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	1	02/10/12	02/11/12 03:05	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	1	02/10/12	02/10/12 13:24	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	1	02/10/12	02/11/12 03:05	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	1	02/10/12	02/11/12 03:05	SW846 8321/ASTM D773-11 Modified

Alcohols**Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/10/12	02/10/12 19:42	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/10/12	02/10/12 19:42	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/10/12	02/10/12 19:42	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/10/12	02/10/12 19:42	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/10/12	02/10/12 19:42	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Acenaphthylene	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Acetophenone	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Anthracene	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Atrazine	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Benzaldehyde	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Benzo(a)anthracene	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Benzo(a)pyrene	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
1,1-Biphenyl	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201



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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW47-P**Lab ID:** 1202003-39**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Bis(2-ethylhexyl)phthalate	0.140		B, J	5.00	1	02/10/12	02/14/12 00:27	R3QA201
4-Bromophenyl phenyl ether	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Butyl benzyl phthalate	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Carbazole	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Caprolactam	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
4-Chloroaniline	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
4-Chloro-3-methylphenol	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
2-Chloronaphthalene	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
2-Chlorophenol	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
4-Chlorophenyl phenyl ether	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Chrysene	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Dibenz(a,h)anthracene	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Dibenzofuran	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
3,3'-Dichlorobenzidine	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Diethyl phthalate	0.030		B, J	5.00	1	02/10/12	02/14/12 00:27	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Dimethyl phthalate	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Di-n-butyl phthalate	0.440		B, J	5.00	1	02/10/12	02/14/12 00:27	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/10/12	02/14/12 00:27	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Fluoranthene	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Fluorene	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Hexachlorobenzene	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Hexachlorobutadiene	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Hexachloroethane	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Isophorone	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/10/12	02/19/12 06:01	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/10/12	02/19/12 06:01	R3QA201
2-Methylnaphthalene	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
2-Methylphenol	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
4-Methylphenol	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
Naphthalene	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
2-Nitroaniline	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201
3-Nitroaniline	U			5.00	1	02/10/12	02/14/12 00:27	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW47-P**Lab ID:** 1202003-39**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
4-Nitroaniline	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Nitrobenzene	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
2-Nitrophenol	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
4-Nitrophenol	U		10.0	1	02/10/12	02/14/12 00:27	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Pentachlorophenol	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Phenanthrene	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Phenol	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
Pyrene	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201
2,4,6-Trichlorophenol	U		5.00	1	02/10/12	02/14/12 00:27	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	29.7		59 %	21-110	02/10/12	02/14/12 00:27	R3QA201
Surrogate: Phenol-d5	36.7		73 %	10-110	02/10/12	02/14/12 00:27	R3QA201
Surrogate: Nitrobenzene-d5	17.6		70 %	35-114	02/10/12	02/14/12 00:27	R3QA201
Surrogate: 2-Fluorobiphenyl	17.6		70 %	43-116	02/10/12	02/14/12 00:27	R3QA201
Surrogate: 2,4,6-Tribromophenol	43.6		87 %	10-123	02/10/12	02/14/12 00:27	R3QA201
Surrogate: Terphenyl-d14	25.9		104 %	33-141	02/10/12	02/14/12 00:27	R3QA201

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Benzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Bromoform	U		1.0	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW47-P**Lab ID:** 1202003-39**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2-Butanone	U		2.0	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Chloroform	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Freon 113	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW47-P**Lab ID:** 1202003-39**Sample Matrix:** Drinking Water**Date Collected:** 02/08/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Methyl-tert-butyl ether	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Styrene	U		1.0	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Toluene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,2,3-Trichloroproppane	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/13/12	02/13/12 19:39	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.760		94 %	86-115	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.250		106 %	76-114	02/13/12	02/13/12 19:39	CLP trace/R3QA210
Surrogate: Toluene-d8	3.900		98 %	88-110	02/13/12	02/13/12 19:39	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB30**Lab ID:** 1202003-48**Sample Matrix:** Water**Date Collected:** 02/08/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.0	J		2.0	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Benzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Bromoform	U			1.0	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Chloroform	0.08	J		0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB30**Lab ID:** 1202003-48**Sample Matrix:** Water**Date Collected:** 02/08/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Styrene	U			1.0	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Toluene	0.06	J		0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210
o-Xylene	0.2	J		1.0	1	02/09/12	02/09/12 18:01	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.890			97 %	86-115	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.120			103 %	76-114	02/09/12	02/09/12 18:01	CLP trace/R3QA210
Surrogate: Toluene-d8	3.870			97 %	88-110	02/09/12	02/09/12 18:01	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB27**Lab ID:** 1202003-49**Sample Matrix:** Water**Date Collected:** 02/07/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.0	J		2.0	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Benzene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Bromoform	U			1.0	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Chloroform	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB27**Lab ID:** 1202003-49**Sample Matrix:** Water**Date Collected:** 02/07/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Toluene	0.6		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210
o-Xylene	0.08	J	1.0	1	02/09/12	02/09/12 18:29	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.980		100 %	86-115	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.290		107 %	76-114	02/09/12	02/09/12 18:29	CLP trace/R3QA210
Surrogate: Toluene-d8	3.940		98 %	88-110	02/09/12	02/09/12 18:29	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB29**Lab ID:** 1202003-50**Sample Matrix:** Water**Date Collected:** 02/08/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.6	J		2.0	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Benzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Bromoform	U			1.0	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Chloroform	0.08	J		0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB29**Lab ID:** 1202003-50**Sample Matrix:** Water**Date Collected:** 02/08/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Styrene	U			1.0	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Toluene	0.05	J		0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210
o-Xylene	0.1	J		1.0	1	02/09/12	02/09/12 18:56	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.950			99 %	86-115	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.110			103 %	76-114	02/09/12	02/09/12 18:56	CLP trace/R3QA210
Surrogate: Toluene-d8	3.880			97 %	88-110	02/09/12	02/09/12 18:56	CLP trace/R3QA210



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report
Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-01

Station ID: HW45

Sample Matrix: Drinking Water

Collected: 02/06/2012

000541-02-6 Cyclopentasiloxane, decamethyl-

2.46 T 5.09 02/14/12 17:35 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-01

Station ID: HW45

Sample Matrix: Drinking Water

Collected: 02/06/2012

None Detected

0.0 02/09/12 19:24 CLP trace/R3QA210



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Tentatively Identified Compound (TIC) Report
Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-02
Station ID: HW45-P
Sample Matrix: Drinking Water
Collected: 02/06/2012

None Detected 0.00 02/14/12 18:26 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-02
Station ID: HW45-P
Sample Matrix: Drinking Water
Collected: 02/06/2012

None Detected 0.0 02/09/12 19:52 CLP trace/R3QA210

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-03
Station ID: HW43-P
Sample Matrix: Drinking Water
Collected: 02/06/2012

None Detected 0.00 02/14/12 19:16 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-03
Station ID: HW43-P
Sample Matrix: Drinking Water
Collected: 02/06/2012

None Detected 0.0 02/13/12 12:07 CLP trace/R3QA210



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Tentatively Identified Compound (TIC) Report Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-04
Station ID: HW43
Sample Matrix: Drinking Water
Collected: 02/06/2012

None Detected 0.00 02/14/12 20:07 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-04
Station ID: HW43
Sample Matrix: Drinking Water
Collected: 02/06/2012

None Detected 0.0 02/13/12 12:35 CLP trace/R3QA210



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Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-05

Station ID: EB02

Sample Matrix: Water

Collected: 02/05/2012

103-23-1 Hexanedioic acid, bis(2-ethylhexyl) ester 7.33 T 11.19 02/14/12 20:57 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-05

Station ID: EB02

Sample Matrix: Water

Collected: 02/05/2012

75-28-5 Isobutane 8.6 T 1.19 02/09/12 16:08 CLP trace/R3QA210

NA unknown 0.5 T 1.29 02/09/12 16:08 CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-11

Station ID: TB23

Sample Matrix: Water

Collected: 02/06/2012

75-28-5 Isobutane 2.4 T 1.19 02/09/12 13:44 CLP trace/R3QA210



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Tentatively Identified Compound (TIC) Report Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202003-12					
Station ID:	TB24					
Sample Matrix:	Water					
Collected:	02/06/2012					
75-28-5	Isobutane	2.6		T 1.19	02/09/12 14:12	CLP trace/R3QA210

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202003-13					
Station ID:	HW15a-P					
Sample Matrix:	Drinking Water					
Collected:	02/07/2012					
NA	Tentatively Identified Compounds	0.00			02/13/12 12:28	R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202003-13					
Station ID:	HW15a-P					
Sample Matrix:	Drinking Water					
Collected:	02/07/2012					
109-99-9	Furan, tetrahydro-	0.5		T 4.67	02/13/12 13:04	CLP trace/R3QA210



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Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-14

Station ID: HW31-P

Sample Matrix: Drinking Water

Collected: 02/06/2012

NA	Tentatively Identified Compounds	0.00		02/13/12 13:10	R3QA201
NA	unknown	5.08	T	6.25	02/13/12 13:10
108-94-1	Cyclohexanone	4.50	T	6.48	02/13/12 13:10

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-14

Station ID: HW31-P

Sample Matrix: Drinking Water

Collected: 02/06/2012

None Detected	0.0	02/13/12 13:33	CLP trace/R3QA210
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Tentatively Identified Compound (TIC) Report
Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-15

Station ID: HW30

Sample Matrix: Drinking Water

Collected: 02/06/2012

NA Tentatively Identified Compounds

0.00

02/13/12 13:52

R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-15

Station ID: HW30

Sample Matrix: Drinking Water

Collected: 02/06/2012

None Detected

0.0

02/13/12 14:02

CLP trace/R3QA210

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-16

Station ID: HW30-P

Sample Matrix: Drinking Water

Collected: 02/06/2012

NA Tentatively Identified Compounds

0.00

02/13/12 14:34

R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-16

Station ID: HW30-P

Sample Matrix: Drinking Water

Collected: 02/06/2012

None Detected

0.0

02/13/12 14:31

CLP trace/R3QA210



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Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-17**Station ID:** HW31**Sample Matrix:** Drinking Water**Collected:** 02/06/2012

NA	Tentatively Identified Compounds	0.00		02/13/12 15:16	R3QA201	
108-94-1	Cyclohexanone	8.42	T	6.48	02/13/12 15:16	R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-17**Station ID:** HW31**Sample Matrix:** Drinking Water**Collected:** 02/06/2012

7446-09-5	Sulfur dioxide	10.1	T	1.30	02/13/12 15:00	CLP trace/R3QA210
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Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-18**Station ID:** FB11**Sample Matrix:** Water**Collected:** 02/06/2012

NA	Tentatively Identified Compounds	0.00		02/13/12 15:58	R3QA201	
40467-04-7	2-Hexene, 2,5,5-trimethyl-	2.76	T	5.29	02/13/12 15:58	R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-18**Station ID:** FB11**Sample Matrix:** Water**Collected:** 02/06/2012

75-28-5	Isobutane	6.6	T	1.19	02/09/12 16:37	CLP trace/R3QA210
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Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-19**Station ID:** HW31z**Sample Matrix:** Drinking Water**Collected:** 02/06/2012

NA	Tentatively Identified Compounds	0.00		02/13/12 16:40	R3QA201	
108-94-1	Cyclohexanone	8.96	T	6.48	02/13/12 16:40	R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-19**Station ID:** HW31z**Sample Matrix:** Drinking Water**Collected:** 02/06/2012

7446-09-5	Sulfur dioxide	13.5	T	1.32	02/13/12 16:18	CLP trace/R3QA210
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Tentatively Identified Compound (TIC) Report
Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202003-20					
Station ID:	HW15a					
Sample Matrix:	Drinking Water					
Collected:	02/07/2012					
NA	Tentatively Identified Compounds	0.00		02/13/12 17:22	R3QA201	

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202003-20					
Station ID:	HW15a					
Sample Matrix:	Drinking Water					
Collected:	02/07/2012					
7446-09-5	Sulfur dioxide	13.8	T	1.36	02/13/12 16:47	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202003-21					
Station ID:	TB25					
Sample Matrix:	Water					
Collected:	02/06/2012					
75-28-5	Isobutane	1.1	T	1.19	02/09/12 14:43	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202003-22					
Station ID:	TB26					
Sample Matrix:	Water					
Collected:	02/06/2012					
75-28-5	Isobutane	1.7	T	1.19	02/09/12 15:11	CLP trace/R3QA210



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Tentatively Identified Compound (TIC) Report
Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-23

Station ID: TB28

Sample Matrix: Water

Collected: 02/07/2012

75-28-5	Isobutane	10.4	T	1.19	02/09/12 15:39	CLP trace/R3QA210
106-98-9	1-Butene	0.6	T	1.29	02/09/12 15:39	CLP trace/R3QA210

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-32

Station ID: HW38-P

Sample Matrix: Drinking Water

Collected: 02/08/2012

NA	Tentatively Identified Compounds	0.00	02/13/12 18:04	R3QA201
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Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-32

Station ID: HW38-P

Sample Matrix: Drinking Water

Collected: 02/08/2012

None Detected	0.0	02/13/12 17:16	CLP trace/R3QA210
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Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-33**Station ID:** FB13**Sample Matrix:** Water**Collected:** 02/08/2012

NA	Tentatively Identified Compounds	0.00		02/13/12 18:46	R3QA201	
40467-04-7	2-Hexene, 2,5,5-trimethyl-	3.31	T	5.30	02/13/12 18:46	R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-33**Station ID:** FB13**Sample Matrix:** Water**Collected:** 02/08/2012

75-28-5	Isobutane	6.4	T	1.19	02/09/12 17:05	CLP trace/R3QA210
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Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-34

Station ID: FB12

Sample Matrix: Water

Collected: 02/07/2012

NA Tentatively Identified Compounds

0.00

02/13/12 19:29 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-34

Station ID: FB12

Sample Matrix: Water

Collected: 02/07/2012

75-28-5 Isobutane

7.1

T

1.19

02/09/12 17:33

CLP trace/R3QA210



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Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID:	1202003-35					
Station ID:	HW47					
Sample Matrix:	Drinking Water					
Collected:	02/08/2012					
NA	Tentatively Identified Compounds	0.00		02/13/12 21:36	R3QA201	
7704-34-9	Sulfur	9.63		19.44	02/13/12 21:36	R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID:	1202003-35					
Station ID:	HW47					
Sample Matrix:	Drinking Water					
Collected:	02/08/2012					
7446-09-5	Sulfur dioxide	15.6	T	1.08	02/13/12 17:45	CLP trace/R3QA210



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Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report
Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-36

Station ID: HW51

Sample Matrix: Drinking Water

Collected: 02/07/2012

NA Tentatively Identified Compounds

0.00

UJ

02/13/12 22:19

R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-36

Station ID: HW51

Sample Matrix: Drinking Water

Collected: 02/07/2012

None Detected

0.0

02/13/12 18:14

CLP trace/R3QA210

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-37

Station ID: HW38

Sample Matrix: Drinking Water

Collected: 02/08/2012

NA Tentatively Identified Compounds

0.00

02/13/12 23:02

R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-37

Station ID: HW38

Sample Matrix: Drinking Water

Collected: 02/08/2012

None Detected

0.0

02/13/12 18:43

CLP trace/R3QA210



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Tentatively Identified Compound (TIC) Report
Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-38

Station ID: HW51-P

Sample Matrix: Drinking Water

Collected: 02/07/2012

NA Tentatively Identified Compounds

0.00

02/13/12 23:44

R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-38

Station ID: HW51-P

Sample Matrix: Drinking Water

Collected: 02/07/2012

None Detected

0.0

02/13/12 19:11

CLP trace/R3QA210

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-39

Station ID: HW47-P

Sample Matrix: Drinking Water

Collected: 02/08/2012

NA Tentatively Identified Compounds

0.00

02/14/12 00:27

R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-39

Station ID: HW47-P

Sample Matrix: Drinking Water

Collected: 02/08/2012

None Detected

0.0

02/13/12 19:39

CLP trace/R3QA210



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Tentatively Identified Compound (TIC) Report Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-48**Station ID:** TB30**Sample Matrix:** Water**Collected:** 02/08/2012

75-28-5	Isobutane	6.4	T	1.19	02/09/12 18:01	CLP trace/R3QA210
115-11-7	1-Propene, 2-methyl-	0.6	T	1.29	02/09/12 18:01	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-49**Station ID:** TB27**Sample Matrix:** Water**Collected:** 02/07/2012

75-28-5	Isobutane	0.8	T	1.19	02/09/12 18:29	CLP trace/R3QA210
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Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202003-50**Station ID:** TB29**Sample Matrix:** Water**Collected:** 02/08/2012

75-28-5	Isobutane	6.7	T	1.19	02/09/12 18:56	CLP trace/R3QA210
115-11-7	1-Propene, 2-methyl-	0.6	T	1.29	02/09/12 18:56	CLP trace/R3QA210
1066-40-6	Silanol, trimethyl-	0.7	T	3.28	02/09/12 18:56	CLP trace/R3QA210



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QC Data
HPLC Identification

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	RPD Limit	Notes
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Batch BB20802 - LC/MS prep

Blank (BB20802-BLK1)				Prepared: 02/08/12 09:39	Analyzed: 02/09/12 01:22
2-Butoxyethanol	U	5.0	ug/L		
Diethylene Glycol	U	25.0	"		
2-Methoxyethanol	U	10.0	"		
Tetraethylene Glycol	U	25.0	"		
Triethylene Glycol	U	25.0	"		

LCS (BB20802-BS1)				Prepared: 02/08/12 09:39	Analyzed: 02/09/12 05:28
2-Butoxyethanol	107	5.0	ug/L	100.00	80-120
Diethylene Glycol	108	25.0	"	100.00	80-120
2-Methoxyethanol	U	10.0	"		80-120
Tetraethylene Glycol	113	25.0	"	100.00	80-120
Triethylene Glycol	118	25.0	"	100.00	80-120

LCS (BB20802-BS2)				Prepared: 02/08/12 09:39	Analyzed: 02/08/12 14:09
2-Butoxyethanol	U	5.0	ug/L		80-120
Diethylene Glycol	U	25.0	"		80-120
2-Methoxyethanol	93.7	10.0	"	96.600	97 80-120
Tetraethylene Glycol	U	25.0	"		80-120
Triethylene Glycol	U	25.0	"		80-120

Matrix Spike (BB20802-MS1)				Source: 1202003-02	Prepared: 02/08/12 09:39	Analyzed: 02/09/12 06:09
2-Butoxyethanol	94.0	5.0	ug/L	100.00	0.0	94 70-130
Diethylene Glycol	116	25.0	"	100.00	0.0	116 70-130
2-Methoxyethanol	106	10.0	"	96.600	0.0	109 70-130
Tetraethylene Glycol	106	25.0	"	100.00	0.0	106 70-130
Triethylene Glycol	109	25.0	"	100.00	0.0	109 70-130

Matrix Spike Dup (BB20802-MSD1)				Source: 1202003-02	Prepared: 02/08/12 09:39	Analyzed: 02/09/12 06:30
2-Butoxyethanol	99.0	5.0	ug/L	100.00	0.0	99 70-130
Diethylene Glycol	106	25.0	"	100.00	0.0	106 70-130
2-Methoxyethanol	108	10.0	"	96.600	0.0	111 70-130
Tetraethylene Glycol	109	25.0	"	100.00	0.0	109 70-130
Triethylene Glycol	109	25.0	"	100.00	0.0	109 70-130



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QC Data
HPLC Identification

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB21004 - LC/MS prep

Blank (BB21004-BLK1)				Prepared: 02/10/12 10:00 Analyzed: 02/11/12 12:21			
2-Butoxyethanol	U	5.0	ug/L				
Diethylene Glycol	U	25.0	"				
2-Methoxyethanol	U	10.0	"				
Tetraethylene Glycol	U	25.0	"				
Triethylene Glycol	U	25.0	"				

LCS (BB21004-BS1)				Prepared: 02/10/12 10:00 Analyzed: 02/11/12 04:07			
2-Butoxyethanol	107	5.0	ug/L	100.00	107	80-120	
Diethylene Glycol	99.8	25.0	"	100.00	100	80-120	
2-Methoxyethanol	U	10.0	"			80-120	
Tetraethylene Glycol	116	25.0	"	100.00	116	80-120	
Triethylene Glycol	114	25.0	"	100.00	114	80-120	

LCS (BB21004-BS2)				Prepared: 02/10/12 10:00 Analyzed: 02/10/12 15:15			
2-Butoxyethanol	U	5.0	ug/L			80-120	
Diethylene Glycol	U	25.0	"			80-120	
2-Methoxyethanol	56.4	10.0	"	48.300	117	80-120	
Tetraethylene Glycol	U	25.0	"			80-120	
Triethylene Glycol	U	25.0	"			80-120	

Matrix Spike (BB21004-MS1)				Source: 1202003-32 Prepared: 02/10/12 10:00 Analyzed: 02/11/12 03:26			
2-Butoxyethanol	103	5.0	ug/L	100.00	0.0	103	70-130
Diethylene Glycol	101	25.0	"	100.00	0.0	101	70-130
2-Methoxyethanol	99.6	10.0	"	96.600	0.0	103	70-130
Tetraethylene Glycol	107	25.0	"	100.00	0.0	107	70-130
Triethylene Glycol	107	25.0	"	100.00	0.0	107	70-130

Matrix Spike Dup (BB21004-MSD1)				Source: 1202003-32 Prepared: 02/10/12 10:00 Analyzed: 02/11/12 03:46			
2-Butoxyethanol	100	5.0	ug/L	100.00	0.0	100	70-130
Diethylene Glycol	100	25.0	"	100.00	0.0	100	70-130
2-Methoxyethanol	104	10.0	"	96.600	0.0	108	70-130
Tetraethylene Glycol	101	25.0	"	100.00	0.0	101	70-130
Triethylene Glycol	110	25.0	"	100.00	0.0	110	70-130



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QC Data
Alcohols

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20901 - Alcohols**Blank (BB20901-BLK1)**

1-Butanol	U	10.0	ug/mL							
2-Butanol	U	10.0	"							
Ethanol	U	10.0	"							
Methanol	U	10.0	"							
1-Propanol	U	10.0	"							

Prepared: 02/09/12 07:14 Analyzed: 02/09/12 14:51

LCS (BB20901-BS1)

1-Butanol	101	10.0	ug/mL	100.00	101	70-130				
2-Butanol	97.7	10.0	"	100.00	98	70-130				
Ethanol	97.6	10.0	"	100.00	98	70-130				
Methanol	93.7	10.0	"	100.00	94	70-130				
1-Propanol	98.3	10.0	"	100.00	98	70-130				

Prepared: 02/09/12 07:14 Analyzed: 02/09/12 15:05

Matrix Spike (BB20901-MS1)

	Source: 1202003-01		Prepared: 02/09/12 07:14	Analyzed: 02/09/12 15:33						
1-Butanol	100	10.0	ug/mL	100.00	0.00	100	70-130			
2-Butanol	96.7	10.0	"	100.00	0.00	97	70-130			
Ethanol	97.3	10.0	"	100.00	0.00	97	70-130			
Methanol	93.0	10.0	"	100.00	0.00	93	70-130			
1-Propanol	97.4	10.0	"	100.00	0.00	97	70-130			

Matrix Spike Dup (BB20901-MSD1)

	Source: 1202003-01		Prepared: 02/09/12 07:14	Analyzed: 02/09/12 15:46						
1-Butanol	108	10.0	ug/mL	100.00	0.00	108	70-130	8	25	
2-Butanol	105	10.0	"	100.00	0.00	105	70-130	8	25	
Ethanol	103	10.0	"	100.00	0.00	103	70-130	6	25	
Methanol	99.1	10.0	"	100.00	0.00	99	70-130	6	25	
1-Propanol	105	10.0	"	100.00	0.00	105	70-130	7	25	



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QC Data
Alcohols

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB21002 - Alcohols**Blank (BB21002-BLK1)**

1-Butanol	U	10.0	ug/mL							
2-Butanol	U	10.0	"							
Ethanol	U	10.0	"							
Methanol	U	10.0	"							
1-Propanol	U	10.0	"							

Prepared: 02/10/12 10:26 Analyzed: 02/10/12 17:11

LCS (BB21002-BS1)

1-Butanol	96.8	10.0	ug/mL	100.00	97	70-130				
2-Butanol	93.3	10.0	"	100.00	93	70-130				
Ethanol	93.5	10.0	"	100.00	94	70-130				
Methanol	91.4	10.0	"	100.00	91	70-130				
1-Propanol	94.4	10.0	"	100.00	94	70-130				

Prepared: 02/10/12 10:26 Analyzed: 02/10/12 17:24

Matrix Spike (BB21002-MS1)

1-Butanol	97.6	10.0	ug/mL	100.00	0.00	98	70-130			
2-Butanol	94.1	10.0	"	100.00	0.00	94	70-130			
Ethanol	94.2	10.0	"	100.00	0.00	94	70-130			
Methanol	91.6	10.0	"	100.00	0.00	92	70-130			
1-Propanol	95.0	10.0	"	100.00	0.00	95	70-130			

Source: 1202003-32 Prepared: 02/10/12 10:26 Analyzed: 02/10/12 17:52

Matrix Spike Dup (BB21002-MSD1)

1-Butanol	98.2	10.0	ug/mL	100.00	0.00	98	70-130	0.7	25	
2-Butanol	94.9	10.0	"	100.00	0.00	95	70-130	0.9	25	
Ethanol	93.7	10.0	"	100.00	0.00	94	70-130	0.5	25	
Methanol	94.4	10.0	"	100.00	0.00	94	70-130	3	25	
1-Propanol	95.5	10.0	"	100.00	0.00	96	70-130	0.5	25	

Source: 1202003-32 Prepared: 02/10/12 10:26 Analyzed: 02/10/12 18:05



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QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB20801 - EPA 3520C SVOC**Blank (BB20801-BLK1)**

Prepared: 02/08/12 07:30 Analyzed: 02/14/12 15:03

Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	0.101	5.00	"							J
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.018	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							
Di-n-butyl phthalate	0.672	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							



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QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20801 - EPA 3520C SVOC**Blank (BB20801-BLK1)**

Prepared: 02/08/12 07:30 Analyzed: 02/14/12 15:03

Hexachlorobenzene	U	5.00	ug/L							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methoxyethanol	U	5.00	"							
1-Methylnaphthalene	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
<i>Surrogate: 2-Fluorophenol</i>	34.9	"	100.00		35	21-110				
<i>Surrogate: Phenol-d5</i>	67.0	"	100.00		67	10-110				
<i>Surrogate: Nitrobenzene-d5</i>	32.7	"	50.000		65	35-114				
<i>Surrogate: 2-Fluorobiphenyl</i>	41.0	"	50.000		82	43-116				
<i>Surrogate: 2,4,6-Tribromophenol</i>	86.1	"	100.00		86	10-123				
<i>Surrogate: Terphenyl-d14</i>	47.1	"	50.000		94	33-141				



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QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20801 - EPA 3520C SVOC

LCS (BB20801-BS1)					Prepared: 02/08/12 07:30	Analyzed: 02/14/12 15:54	
Benzo(a)pyrene	4.06	5.00	ug/L	5.0000	81	30-150	J
Bis(2-chloroethyl)ether	4.44	5.00	"	5.0000	89	30-150	J
4-Chloroaniline	0.370	5.00	"	5.0000	7	30-150	A, J
4-Chloro-3-methylphenol	4.79	5.00	"	5.0000	96	26-103	J
2-Chlorophenol	4.37	5.00	"	5.0000	87	25-102	J
Diethyl phthalate	5.14	5.00	"	5.0000	103	30-150	
2,4-Dinitrotoluene	4.67	5.00	"	5.0000	93	28-89	A, J
Hexachlorobenzene	5.01	5.00	"	5.0000	100	30-150	
Hexachlorobutadiene	4.60	5.00	"	5.0000	92	30-150	J
Hexachloroethane	4.56	5.00	"	5.0000	91	30-150	J
Isophorone	4.68	5.00	"	5.0000	94	30-150	J
2-Methoxyethanol	U	5.00	"	23.160		30-150	A
1-Methylnaphthalene	5.27	5.00	"	5.0000	105	30-150	
Naphthalene	5.23	5.00	"	5.0000	105	30-150	
Nitrobenzene	4.58	5.00	"	5.0000	92	30-150	J
4-Nitrophenol	4.02	10.0	"	5.0000	80	11-114	J
N-Nitroso-di-n-propylamine	4.48	5.00	"	5.0000	90	41-126	J
N-Nitrosodiphenylamine	4.55	5.00	"	5.0000	91	30-150	J
Pentachlorophenol	3.38	5.00	"	5.0000	68	17-109	J
Phenol	4.46	5.00	"	5.0000	89	26-90	J
2,4,5-Trichlorophenol	5.05	5.00	"	5.0000	101	30-150	
2,4,6-Trichlorophenol	4.76	5.00	"	5.0000	95	30-150	J
<i>Surrogate: 2-Fluorophenol</i>	77.6	"	100.00		78	21-110	
<i>Surrogate: Phenol-d5</i>	83.8	"	100.00		84	10-110	
<i>Surrogate: Nitrobenzene-d5</i>	39.5	"	50.000		79	35-114	
<i>Surrogate: 2-Fluorobiphenyl</i>	42.0	"	50.000		84	43-116	
<i>Surrogate: 2,4,6-Tribromophenol</i>	90.4	"	100.00		90	10-123	
<i>Surrogate: Terphenyl-d14</i>	45.0	"	50.000		90	33-141	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20801 - EPA 3520C SVOC

LCS (BB20801-BS2)		Prepared: 02/08/12 07:30			Analyzed: 02/14/12 16:45		
Benzo(a)pyrene	53.4	5.00	ug/L	60.000	89	30-150	
Bis(2-chloroethyl)ether	41.9	5.00	"	60.000	70	30-150	
4-Chloroaniline	31.6	5.00	"	60.000	53	30-150	
4-Chloro-3-methylphenol	50.5	5.00	"	60.000	84	26-103	
2-Chlorophenol	43.5	5.00	"	60.000	72	25-102	
Diethyl phthalate	50.7	5.00	"	60.000	84	30-150	
2,4-Dinitrotoluene	56.3	5.00	"	60.000	94	28-89	A
Hexachlorobenzene	50.3	5.00	"	60.000	84	30-150	
Hexachlorobutadiene	38.0	5.00	"	60.000	63	30-150	
Hexachloroethane	32.3	5.00	"	60.000	54	30-150	
Isophorone	46.4	5.00	"	60.000	77	30-150	
2-Methoxyethanol	23.9	5.00	"	57.900	41	30-150	
1-Methylnaphthalene	48.6	5.00	"	60.000	81	30-150	
Naphthalene	41.5	5.00	"	60.000	69	30-150	
Nitrobenzene	45.1	5.00	"	60.000	75	30-150	
4-Nitrophenol	61.0	10.0	"	60.000	102	11-114	
N-Nitroso-di-n-propylamine	46.2	5.00	"	60.000	77	41-126	
N-Nitrosodiphenylamine	43.6	5.00	"	60.000	73	30-150	
Pentachlorophenol	51.7	5.00	"	60.000	86	17-109	
Phenol	45.2	5.00	"	60.000	75	26-90	
2,4,5-Trichlorophenol	50.9	5.00	"	60.000	85	30-150	
2,4,6-Trichlorophenol	51.3	5.00	"	60.000	85	30-150	
<i>Surrogate: 2-Fluorophenol</i>	77.6	"	100.00		78	21-110	
<i>Surrogate: Phenol-d5</i>	83.6	"	100.00		84	10-110	
<i>Surrogate: Nitrobenzene-d5</i>	42.2	"	50.000		84	35-114	
<i>Surrogate: 2-Fluorobiphenyl</i>	45.0	"	50.000		90	43-116	
<i>Surrogate: 2,4,6-Tribromophenol</i>	97.4	"	100.00		97	10-123	
<i>Surrogate: Terphenyl-d14</i>	46.2	"	50.000		92	33-141	



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Project #: DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20801 - EPA 3520C SVOC

Matrix Spike (BB20801-MS1)	Source: 1202003-01		Prepared: 02/08/12 07:30		Analyzed: 02/14/12 21:48			
Benzo(a)pyrene	47.5	5.00	ug/L	60.000	0.00	79	30-150	
Bis(2-chloroethyl)ether	39.7	5.00	"	60.000	0.00	66	30-150	
4-Chloroaniline	38.7	5.00	"	60.000	0.00	65	30-150	
4-Chloro-3-methylphenol	48.3	5.00	"	60.000	0.00	80	26-103	
2-Chlorophenol	40.7	5.00	"	60.000	0.00	68	25-102	
Diethyl phthalate	47.7	5.00	"	60.000	0.022	79	30-150	
2,4-Dinitrotoluene	50.1	5.00	"	60.000	0.00	83	28-89	
Hexachlorobenzene	45.3	5.00	"	60.000	0.00	75	30-150	
Hexachlorobutadiene	44.4	5.00	"	60.000	0.00	74	30-150	
Hexachloroethane	41.2	5.00	"	60.000	0.00	69	30-150	
Isophorone	43.5	5.00	"	60.000	0.00	73	30-150	
2-Methoxyethanol	18.0	5.00	"	57.900	0.00	31	30-150	
1-Methylnaphthalene	46.6	5.00	"	60.000	0.00	78	30-150	
Naphthalene	44.2	5.00	"	60.000	0.00	74	30-150	
Nitrobenzene	42.9	5.00	"	60.000	0.00	71	30-150	
4-Nitrophenol	51.0	10.0	"	60.000	0.00	85	11-114	
N-Nitroso-di-n-propylamine	41.7	5.00	"	60.000	0.00	70	41-126	
N-Nitrosodiphenylamine	40.4	5.00	"	60.000	0.00	67	30-150	
Pentachlorophenol	46.0	5.00	"	60.000	0.00	77	17-109	
Phenol	42.2	5.00	"	60.000	0.00	70	26-90	
2,4,5-Trichlorophenol	47.5	5.00	"	60.000	0.00	79	30-150	
2,4,6-Trichlorophenol	45.3	5.00	"	60.000	0.00	76	30-150	
<i>Surrogate: 2-Fluorophenol</i>	74.6		"	100.00		75	21-110	
<i>Surrogate: Phenol-d5</i>	78.6		"	100.00		79	10-110	
<i>Surrogate: Nitrobenzene-d5</i>	39.6		"	50.000		79	35-114	
<i>Surrogate: 2-Fluorobiphenyl</i>	41.8		"	50.000		84	43-116	
<i>Surrogate: 2,4,6-Tribromophenol</i>	85.2		"	100.00		85	10-123	
<i>Surrogate: Terphenyl-d14</i>	44.5		"	50.000		89	33-141	



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QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20801 - EPA 3520C SVOC

Matrix Spike Dup (BB20801-MSD1)	Source: 1202003-01		Prepared: 02/08/12 07:30		Analyzed: 02/14/12 22:39				
Benzo(a)pyrene	50.0	5.00	ug/L	60.000	0.00	83	30-150	5	25
Bis(2-chloroethyl)ether	40.1	5.00	"	60.000	0.00	67	30-150	1	25
4-Chloroaniline	38.1	5.00	"	60.000	0.00	63	30-150	2	25
4-Chloro-3-methylphenol	49.1	5.00	"	60.000	0.00	82	26-103	2	33
2-Chlorophenol	40.9	5.00	"	60.000	0.00	68	25-102	0.4	50
Diethyl phthalate	49.7	5.00	"	60.000	0.022	83	30-150	4	25
2,4-Dinitrotoluene	52.0	5.00	"	60.000	0.00	87	28-89	4	47
Hexachlorobenzene	47.2	5.00	"	60.000	0.00	79	30-150	4	25
Hexachlorobutadiene	41.4	5.00	"	60.000	0.00	69	30-150	7	200
Hexachloroethane	36.5	5.00	"	60.000	0.00	61	30-150	12	25
Isophorone	44.6	5.00	"	60.000	0.00	74	30-150	2	25
2-Methoxyethanol	17.8	5.00	"	57.900	0.00	31	30-150	1	25
1-Methylnaphthalene	47.4	5.00	"	60.000	0.00	79	30-150	2	25
Naphthalene	43.9	5.00	"	60.000	0.00	73	30-150	0.7	25
Nitrobenzene	43.0	5.00	"	60.000	0.00	72	30-150	0.3	200
4-Nitrophenol	54.5	10.0	"	60.000	0.00	91	11-114	7	50
N-Nitroso-di-n-propylamine	42.6	5.00	"	60.000	0.00	71	41-126	2	38
N-Nitrosodiphenylamine	41.8	5.00	"	60.000	0.00	70	30-150	3	25
Pentachlorophenol	47.4	5.00	"	60.000	0.00	79	17-109	3	47
Phenol	43.1	5.00	"	60.000	0.00	72	26-90	2	35
2,4,5-Trichlorophenol	48.4	5.00	"	60.000	0.00	81	30-150	2	200
2,4,6-Trichlorophenol	47.1	5.00	"	60.000	0.00	79	30-150	4	200
Surrogate: 2-Fluorophenol	73.8	"		100.00		74	21-110		
Surrogate: Phenol-d5	79.8	"		100.00		80	10-110		
Surrogate: Nitrobenzene-d5	39.7	"		50.000		79	35-114		
Surrogate: 2-Fluorobiphenyl	42.8	"		50.000		86	43-116		
Surrogate: 2,4,6-Tribromophenol	88.4	"		100.00		88	10-123		
Surrogate: Terphenyl-d14	45.4	"		50.000		91	33-141		



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QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21003 - EPA 3520C SVOC**Blank (BB21003-BLK1)**

Prepared: 02/10/12 10:39 Analyzed: 02/13/12 10:21

Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	0.160	5.00	"							J
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.030	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							
Di-n-butyl phthalate	0.540	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB21003 - EPA 3520C SVOC**Blank (BB21003-BLK1)**

Prepared: 02/10/12 10:39 Analyzed: 02/13/12 10:21

Hexachlorobenzene	U	5.00	ug/L							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methoxyethanol	U	5.00	"							
1-Methylnaphthalene	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
<i>Surrogate: 2-Fluorophenol</i>	35.0	"	50.000		70	21-110				
<i>Surrogate: Phenol-d5</i>	40.3	"	50.000		81	10-110				
<i>Surrogate: Nitrobenzene-d5</i>	20.9	"	25.000		84	35-114				
<i>Surrogate: 2-Fluorobiphenyl</i>	19.0	"	25.000		76	43-116				
<i>Surrogate: 2,4,6-Tribromophenol</i>	28.8	"	50.000		58	10-123				
<i>Surrogate: Terphenyl-d14</i>	25.1	"	25.000		100	33-141				



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB21003 - EPA 3520C SVOC**LCS (BB21003-BS1)**

Benzo(a)pyrene	41.2	5.00	ug/L	40.000	103	30-150				
Bis(2-chloroethyl)ether	31.3	5.00	"	40.000	78	30-150				
4-Chloroaniline	35.3	5.00	"	40.000	88	30-150				
4-Chloro-3-methylphenol	35.0	5.00	"	40.000	87	26-103				
2-Chlorophenol	31.4	5.00	"	40.000	79	25-102				
Diethyl phthalate	35.1	5.00	"	40.000	88	30-150				
2,4-Dinitrotoluene	41.0	5.00	"	40.000	102	28-89				A
Hexachlorobenzene	38.3	5.00	"	40.000	96	30-150				
Hexachlorobutadiene	U	5.00	"			30-150				
Hexachloroethane	19.4	5.00	"	40.000	49	30-150				
Isophorone	34.7	5.00	"	40.000	87	30-150				
Naphthalene	29.7	5.00	"	40.000	74	30-150				
Nitrobenzene	U	5.00	"			30-150				
4-Nitrophenol	30.4	10.0	"	40.000	76	11-114				
N-Nitroso-di-n-propylamine	31.7	5.00	"	40.000	79	41-126				
N-Nitrosodiphenylamine	41.4	5.00	"	40.000	104	30-150				
Pentachlorophenol	26.6	5.00	"	40.000	67	17-109				
Phenol	30.3	5.00	"	40.000	76	26-90				
<i>Surrogate: 2-Fluorophenol</i>	35.6		"	50.000	71	21-110				
<i>Surrogate: Phenol-d5</i>	42.2		"	50.000	84	10-110				
<i>Surrogate: Nitrobenzene-d5</i>	21.7		"	25.000	87	35-114				
<i>Surrogate: 2-Fluorobiphenyl</i>	21.5		"	25.000	86	43-116				
<i>Surrogate: 2,4,6-Tribromophenol</i>	51.0		"	50.000	102	10-123				
<i>Surrogate: Terphenyl-d14</i>	25.7		"	25.000	103	33-141				

LCS (BB21003-BS2)

Benzo(a)pyrene	4.28	5.00	ug/L	5.0000	86	30-150				J
Bis(2-chloroethyl)ether	2.61	5.00	"	5.0000	52	30-150				J
4-Chloroaniline	3.79	5.00	"	5.0000	76	30-150				J
4-Chloro-3-methylphenol	3.72	5.00	"	5.0000	74	26-103				J
2-Chlorophenol	3.39	5.00	"	5.0000	68	25-102				J
Diethyl phthalate	4.76	5.00	"	5.0000	95	30-150				J
2,4-Dinitrotoluene	3.89	5.00	"	5.0000	78	28-89				J
Hexachlorobenzene	4.52	5.00	"	5.0000	90	30-150				J
Hexachlorobutadiene	U	5.00	"			30-150				
Hexachloroethane	2.12	5.00	"	5.0000	42	30-150				J
Isophorone	3.72	5.00	"	5.0000	74	30-150				J
Naphthalene	3.20	5.00	"	5.0000	64	30-150				J
Nitrobenzene	U	5.00	"			30-150				
4-Nitrophenol	2.06	10.0	"	5.0000	41	11-114				J
N-Nitroso-di-n-propylamine	3.56	5.00	"	5.0000	71	41-126				J



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21003 - EPA 3520C SVOC**LCS (BB21003-BS2)**

N-Nitrosodiphenylamine	5.27	5.00	ug/L	5.0000	105	30-150				
Pentachlorophenol	1.04	5.00	"	5.0000	21	17-109				J
Phenol	3.33	5.00	"	5.0000	67	26-90				J
<i>Surrogate: 2-Fluorophenol</i>	27.4		"	50.000	55	21-110				
<i>Surrogate: Phenol-d5</i>	34.1		"	50.000	68	10-110				
<i>Surrogate: Nitrobenzene-d5</i>	17.3		"	25.000	69	35-114				
<i>Surrogate: 2-Fluorobiphenyl</i>	16.4		"	25.000	66	43-116				
<i>Surrogate: 2,4,6-Tribromophenol</i>	39.4		"	50.000	79	10-123				
<i>Surrogate: Terphenyl-d14</i>	20.6		"	25.000	83	33-141				



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21605 - VOC Purge and Trap**Blank (BB21605-BLK1)**

Prepared & Analyzed: 02/09/12 10:01

Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21605 - VOC Purge and Trap**Blank (BB21605-BLK1)**

Prepared & Analyzed: 02/09/12 10:01

Hexachlorobutadiene	U	0.5	ug/L							
2-Hexanone	U	2.0	"							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	4.200	"	4.0000		105	86-115				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.270	"	4.0000		107	76-114				
<i>Surrogate: Toluene-d8</i>	3.960	"	4.0000		99	88-110				



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21605 - VOC Purge and Trap**Blank (BB21605-BLK2)**

Prepared & Analyzed: 02/13/12 11:22

Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21605 - VOC Purge and Trap**Blank (BB21605-BLK2)**

Prepared & Analyzed: 02/13/12 11:22

Hexachlorobutadiene	U	0.5	ug/L							
2-Hexanone	U	2.0	"							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	3.990	"	4.0000		100	86-115				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.030	"	4.0000		101	76-114				
<i>Surrogate: Toluene-d8</i>	3.990	"	4.0000		100	88-110				



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QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB21605 - VOC Purge and Trap**LCS (BB21605-BS1)**

Prepared & Analyzed: 02/08/12 13:21

Acetone	0.57	2.0	ug/L			80-120				J
Benzene	4.88	0.5	"	5.0000		98	80-120			
Bromobenzene	4.61	0.5	"	5.0000		92	80-120			
Bromo(chloromethane)	4.78	0.5	"	5.0000		96	80-120			
Bromodichloromethane	5.04	0.5	"	5.0000		101	80-120			
Bromoform	4.31	0.5	"	5.0000		86	80-120			
Bromomethane	6.04	0.5	"	5.0000		121	80-120			A
2-Butanone	U	2.0	"			80-120				
sec-Butylbenzene	4.98	0.5	"	5.0000		100	80-120			
tert-Butylbenzene	4.87	0.5	"	5.0000		97	80-120			
n-Butylbenzene	5.14	0.5	"	5.0000		103	80-120			
Carbon disulfide	U	0.5	"			80-120				
Carbon Tetrachloride	4.94	0.5	"	5.0000		99	80-120			
Chlorobenzene	5.03	0.5	"	5.0000		101	80-120			
Chlorodibromomethane	5.31	0.5	"	5.0000		106	80-120			
Chloroethane	5.55	0.5	"	5.0000		111	80-120			
Chloroform	4.93	0.5	"	5.0000		99	80-120			
Chloromethane	6.14	0.5	"	5.0000		123	80-120			A
2-Chlorotoluene	4.86	0.5	"	5.0000		97	80-120			
4-Chlorotoluene	4.83	0.5	"	5.0000		97	80-120			
Cyclohexane	U	0.5	"			80-120				
1,2-Dibromo-3-chloropropane	3.90	0.5	"	5.0000		78	80-120			A
1,2-Dibromoethane (EDB)	5.36	0.5	"	5.0000		107	80-120			
Dibromomethane	5.22	0.5	"	5.0000		104	80-120			
1,2-Dichlorobenzene	4.78	0.5	"	5.0000		96	80-120			
1,3-Dichlorobenzene	4.81	0.5	"	5.0000		96	80-120			
1,4-Dichlorobenzene	4.72	0.5	"	5.0000		94	80-120			
Dichlorodifluoromethane	9.01	0.5	"	5.0000		180	80-120			A
1,1-Dichloroethane	4.97	0.5	"	5.0000		99	80-120			
1,2-Dichloroethane	4.83	0.5	"	5.0000		97	80-120			
1,1-Dichloroethene	5.19	0.5	"	5.0000		104	80-120			
cis-1,2-Dichloroethene	4.69	0.5	"	5.0000		94	80-120			
trans-1,2-Dichloroethene	4.86	0.5	"	5.0000		97	80-120			
1,2-Dichloropropane	4.97	0.5	"	5.0000		99	80-120			
1,3-Dichloropropane	5.04	0.5	"	5.0000		101	80-120			
2,2-Dichloropropane	5.07	0.5	"	5.0000		101	80-120			
1,1-Dichloropropene	4.95	0.5	"	5.0000		99	80-120			
cis-1,3-Dichloropropene	5.51	0.5	"	5.0000		110	80-120			
trans-1,3-Dichloropropene	5.46	0.5	"	5.0000		109	80-120			
Ethylbenzene	5.12	0.5	"	5.0000		102	80-120			
Freon 113	U	0.5	"			80-120				



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB21605 - VOC Purge and Trap

Prepared & Analyzed: 02/08/12 13:21						
LCS (BB21605-BS1)						
Hexachlorobutadiene	4.79	0.5	ug/L	5.0000	96	80-120
2-Hexanone	U	2.0	"			80-120
Isopropylbenzene	5.76	0.5	"	5.0000	115	80-120
p-Isopropyltoluene	5.34	0.5	"	5.0000	107	80-120
Methyl Acetate	U	0.5	"			80-120
Methylcyclohexane	U	0.5	"			80-120
Methyl-tert-butyl ether	U	0.5	"			80-120
Methylene Chloride	4.86	0.5	"	5.0000	97	80-120
4-Methyl-2-pentanone	U	2.0	"			80-120
Naphthalene	4.81	0.5	"	5.0000	96	80-120
n-Propylbenzene	4.94	0.5	"	5.0000	99	80-120
1,1,2,2-Tetrachloroethane	4.34	0.5	"	5.0000	87	80-120
1,1,1,2-Tetrachloroethane	5.31	0.5	"	5.0000	106	80-120
Tetrachloroethene	5.18	0.5	"	5.0000	104	80-120
Toluene	4.96	0.5	"	5.0000	99	80-120
1,2,3-Trichlorobenzene	4.85	0.5	"	5.0000	97	80-120
1,2,4-Trichlorobenzene	5.04	0.5	"	5.0000	101	80-120
1,1,1-Trichloroethane	5.08	0.5	"	5.0000	102	80-120
1,1,2-Trichloroethane	5.05	0.5	"	5.0000	101	80-120
Trichloroethene	4.73	0.5	"	5.0000	95	80-120
Trichlorofluoromethane	5.71	0.5	"	5.0000	114	80-120
1,2,3-Trichloropropane	4.79	0.5	"	5.0000	96	80-120
1,2,4-Trimethylbenzene	4.93	0.5	"	5.0000	99	80-120
1,3,5-Trimethylbenzene	4.70	0.5	"	5.0000	94	80-120
Vinyl acetate	U	0.5	"			80-120
Vinyl chloride	6.15	0.5	"	5.0000	123	80-120
m-Xylene/p-Xylene	10.12	1.0	"	10.000	101	80-120
Surrogate: 4-Bromofluorobenzene	3.880		"	4.0000	97	86-115
Surrogate: 1,2-Dichloroethane-d4	3.900		"	4.0000	98	76-114
Surrogate: Toluene-d8	4.010		"	4.0000	100	88-110



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB21605 - VOC Purge and Trap

Matrix Spike (BB21605-MS1)	Source: 1202003-01		Prepared & Analyzed: 02/13/12 20:07						
Acetone	6.05	2.0	ug/L	5.0000	0.00	121	70-130		
Benzene	4.78	0.5	"	5.0000	0.00	96	76-127		
Bromobenzene	4.40	0.5	"	5.0000	0.00	88	70-130		
Bromoform	4.94	0.5	"	5.0000	0.00	99	70-130		
Bromochloromethane	5.41	0.5	"	5.0000	0.00	108	70-130		
Bromodichloromethane	4.74	0.5	"	5.0000	0.00	95	70-130		
Bromomethane	2.41	0.5	"	5.0000	0.00	48	70-130		A
2-Butanone	5.35	2.0	"	5.0000	0.00	107	70-130		
sec-Butylbenzene	4.31	0.5	"	5.0000	0.00	86	70-130		
tert-Butylbenzene	4.10	0.5	"	5.0000	0.00	82	70-130		
n-Butylbenzene	4.48	0.5	"	5.0000	0.00	90	70-130		
Carbon disulfide	5.47	0.5	"	5.0000	0.00	109	70-130		
Carbon Tetrachloride	4.98	0.5	"	5.0000	0.00	100	70-130		
Chlorobenzene	4.62	0.5	"	5.0000	0.00	92	75-130		
Chlorodibromomethane	4.97	0.5	"	5.0000	0.00	99	70-130		
Chloroethane	4.36	0.5	"	5.0000	0.00	87	70-130		
Chloroform	4.79	0.5	"	5.0000	0.00	96	70-130		
Chloromethane	5.34	0.5	"	5.0000	0.00	107	70-130		
2-Chlorotoluene	4.19	0.5	"	5.0000	0.00	84	70-130		
4-Chlorotoluene	4.13	0.5	"	5.0000	0.00	83	70-130		
Cyclohexane	5.06	0.5	"		0.00		70-130		
1,2-Dibromo-3-chloropropane	4.37	0.5	"	5.0000	0.00	87	70-130		
1,2-Dibromoethane (EDB)	4.96	0.5	"	5.0000	0.00	99	70-130		
Dibromomethane	4.90	0.5	"	5.0000	0.00	98	70-130		
1,2-Dichlorobenzene	4.30	0.5	"	5.0000	0.00	86	70-130		
1,3-Dichlorobenzene	4.22	0.5	"	5.0000	0.00	84	70-130		
1,4-Dichlorobenzene	4.28	0.5	"	5.0000	0.00	86	70-130		
Dichlorodifluoromethane	4.22	0.5	"	5.0000	0.00	84	70-130		
1,1-Dichloroethane	4.80	0.5	"	5.0000	0.00	96	70-130		
1,2-Dichloroethane	4.82	0.5	"	5.0000	0.00	96	70-130		
1,1-Dichloroethene	3.13	0.5	"	5.0000	0.00	63	61-145		
cis-1,2-Dichloroethene	4.63	0.5	"	5.0000	0.00	93	70-130		
trans-1,2-Dichloroethene	4.63	0.5	"	5.0000	0.00	93	70-130		
1,2-Dichloropropane	4.82	0.5	"	5.0000	0.00	96	70-130		
1,3-Dichloropropane	4.68	0.5	"	5.0000	0.00	94	70-130		
2,2-Dichloropropane	4.42	0.5	"	5.0000	0.00	88	70-130		
1,1-Dichloropropene	4.57	0.5	"	5.0000	0.00	91	70-130		
cis-1,3-Dichloropropene	5.40	0.5	"	5.2500	0.00	103	70-130		
trans-1,3-Dichloropropene	4.53	0.5	"	4.7500	0.00	95	70-130		
Ethylbenzene	4.45	0.5	"	5.0000	0.00	89	70-130		
Freon 113	4.96	0.5	"		0.00		70-130		



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB21605 - VOC Purge and Trap

Matrix Spike (BB21605-MS1)	Source: 1202003-01		Prepared & Analyzed: 02/13/12 20:07						
Hexachlorobutadiene	4.19	0.5	ug/L	5.0000	0.00	84	70-130		
2-Hexanone	4.42	2.0	"	5.0000	0.00	88	70-130		
Isopropylbenzene	4.43	0.5	"	5.0000	0.00	89	70-130		
p-Isopropyltoluene	4.22	0.5	"	5.0000	0.00	84	70-130		
Methyl Acetate	5.69	0.5	"		0.00		70-130		
Methylcyclohexane	4.93	0.5	"		0.00		70-130		
Methyl-tert-butyl ether	4.88	0.5	"		0.00		70-130		
Methylene Chloride	4.88	0.5	"	5.0000	0.00	98	70-130		
4-Methyl-2-pentanone	4.34	2.0	"	5.0000	0.00	87	70-130		
Naphthalene	5.29	0.5	"	5.0000	0.00	106	70-130		
n-Propylbenzene	4.13	0.5	"	5.0000	0.00	83	70-130		
1,1,2,2-Tetrachloroethane	4.50	0.5	"	5.0000	0.00	90	70-130		
1,1,1,2-Tetrachloroethane	4.88	0.5	"	5.0000	0.00	98	70-130		
Tetrachloroethene	4.34	0.5	"	5.0000	0.00	87	70-130		
Toluene	4.40	0.5	"	5.0000	0.00	88	76-125		
1,2,3-Trichlorobenzene	5.14	0.5	"	5.0000	0.00	103	70-130		
1,2,4-Trichlorobenzene	4.57	0.5	"	5.0000	0.00	91	70-130		
1,1,1-Trichloroethane	4.74	0.5	"	5.0000	0.00	95	70-130		
1,1,2-Trichloroethane	4.64	0.5	"	5.0000	0.00	93	70-130		
Trichloroethene	4.59	0.5	"	5.0000	0.00	92	71-120		
Trichlorofluoromethane	6.56	0.5	"	5.0000	0.00	131	70-130	A	
1,2,3-Trichloropropane	4.32	0.5	"	5.0000	0.00	86	70-130		
1,2,4-Trimethylbenzene	4.31	0.5	"	5.0000	0.00	86	70-130		
1,3,5-Trimethylbenzene	4.18	0.5	"	5.0000	0.00	84	70-130		
Vinyl acetate	5.24	0.5	"	5.0000	0.00	105	70-130		
Vinyl chloride	4.60	0.5	"	5.0000	0.00	92	70-130		
m-Xylene/p-Xylene	8.95	1.0	"	10.000	0.00	90	70-130		
Surrogate: 4-Bromofluorobenzene	3.640		"	4.0000		91	86-115		
Surrogate: 1,2-Dichloroethane-d4	4.210		"	4.0000		105	76-114		
Surrogate: Toluene-d8	3.810		"	4.0000		95	88-110		



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21605 - VOC Purge and Trap

Matrix Spike Dup (BB21605-MSD1)	Source: 1202003-01		Prepared & Analyzed: 02/13/12 20:35							
Acetone	5.92	2.0	ug/L	5.0000	0.00	118	70-130	2	20	
Benzene	5.43	0.5	"	5.0000	0.00	109	76-127	13	11	A
Bromobenzene	4.81	0.5	"	5.0000	0.00	96	70-130	9	20	
Bromoform	5.20	0.5	"	5.0000	0.00	104	70-130	5	20	
Bromochloromethane	6.08	0.5	"	5.0000	0.00	122	70-130	12	20	
Bromodichloromethane	5.49	0.5	"	5.0000	0.00	110	70-130	15	20	
Bromomethane	2.72	0.5	"	5.0000	0.00	54	70-130	12	20	A
2-Butanone	5.08	2.0	"	5.0000	0.00	102	70-130	5	20	
sec-Butylbenzene	4.97	0.5	"	5.0000	0.00	99	70-130	14	20	
tert-Butylbenzene	4.79	0.5	"	5.0000	0.00	96	70-130	16	20	
n-Butylbenzene	5.31	0.5	"	5.0000	0.00	106	70-130	17	20	
Carbon disulfide	5.61	0.5	"	5.0000	0.00	112	70-130	3	20	
Carbon Tetrachloride	5.59	0.5	"	5.0000	0.00	112	70-130	12	20	
Chlorobenzene	5.19	0.5	"	5.0000	0.00	104	75-130	12	13	
Chlorodibromomethane	6.22	0.5	"	5.0000	0.00	124	70-130	22	20	A
Chloroethane	4.37	0.5	"	5.0000	0.00	87	70-130	0.2	20	
Chloroform	5.46	0.5	"	5.0000	0.00	109	70-130	13	20	
Chloromethane	5.40	0.5	"	5.0000	0.00	108	70-130	1	20	
2-Chlorotoluene	4.78	0.5	"	5.0000	0.00	96	70-130	13	20	
4-Chlorotoluene	4.80	0.5	"	5.0000	0.00	96	70-130	15	20	
Cyclohexane	5.30	0.5	"		0.00		70-130	5	20	
1,2-Dibromo-3-chloropropane	5.41	0.5	"	5.0000	0.00	108	70-130	21	20	A
1,2-Dibromoethane (EDB)	5.47	0.5	"	5.0000	0.00	109	70-130	10	20	
Dibromomethane	5.60	0.5	"	5.0000	0.00	112	70-130	13	20	
1,2-Dichlorobenzene	5.07	0.5	"	5.0000	0.00	101	70-130	16	20	
1,3-Dichlorobenzene	4.86	0.5	"	5.0000	0.00	97	70-130	14	20	
1,4-Dichlorobenzene	4.85	0.5	"	5.0000	0.00	97	70-130	12	20	
Dichlorodifluoromethane	4.09	0.5	"	5.0000	0.00	82	70-130	3	20	
1,1-Dichloroethane	5.31	0.5	"	5.0000	0.00	106	70-130	10	20	
1,2-Dichloroethane	5.27	0.5	"	5.0000	0.00	105	70-130	9	20	
1,1-Dichloroethene	3.49	0.5	"	5.0000	0.00	70	61-145	11	14	
cis-1,2-Dichloroethene	5.33	0.5	"	5.0000	0.00	107	70-130	14	20	
trans-1,2-Dichloroethene	5.33	0.5	"	5.0000	0.00	107	70-130	14	20	
1,2-Dichloropropane	5.43	0.5	"	5.0000	0.00	109	70-130	12	20	
1,3-Dichloropropane	5.26	0.5	"	5.0000	0.00	105	70-130	12	20	
2,2-Dichloropropane	5.03	0.5	"	5.0000	0.00	101	70-130	13	20	
1,1-Dichloropropene	5.17	0.5	"	5.0000	0.00	103	70-130	12	20	
cis-1,3-Dichloropropene	6.07	0.5	"	5.2500	0.00	116	70-130	12	20	
trans-1,3-Dichloropropene	5.05	0.5	"	4.7500	0.00	106	70-130	11	20	
Ethylbenzene	5.04	0.5	"	5.0000	0.00	101	70-130	12	20	
Freon 113	4.99	0.5	"		0.00		70-130	0.6	20	

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21605 - VOC Purge and Trap

Matrix Spike Dup (BB21605-MSD1)	Source: 1202003-01		Prepared & Analyzed: 02/13/12 20:35						
Hexachlorobutadiene	4.89	0.5	ug/L	5.0000	0.00	98	70-130	15	20
2-Hexanone	5.13	2.0	"	5.0000	0.00	103	70-130	15	20
Isopropylbenzene	5.14	0.5	"	5.0000	0.00	103	70-130	15	20
p-Isopropyltoluene	5.02	0.5	"	5.0000	0.00	100	70-130	17	20
Methyl Acetate	5.89	0.5	"		0.00		70-130	3	20
Methylcyclohexane	5.28	0.5	"		0.00		70-130	7	20
Methyl-tert-butyl ether	5.43	0.5	"		0.00		70-130	11	20
Methylene Chloride	5.50	0.5	"	5.0000	0.00	110	70-130	12	20
4-Methyl-2-pentanone	4.69	2.0	"	5.0000	0.00	94	70-130	8	20
Naphthalene	6.25	0.5	"	5.0000	0.00	125	70-130	17	20
n-Propylbenzene	4.88	0.5	"	5.0000	0.00	98	70-130	17	20
1,1,2,2-Tetrachloroethane	5.04	0.5	"	5.0000	0.00	101	70-130	11	20
1,1,1,2-Tetrachloroethane	5.61	0.5	"	5.0000	0.00	112	70-130	14	20
Tetrachloroethene	5.11	0.5	"	5.0000	0.00	102	70-130	16	20
Toluene	5.01	0.5	"	5.0000	0.00	100	76-125	13	13
1,2,3-Trichlorobenzene	5.67	0.5	"	5.0000	0.00	113	70-130	10	20
1,2,4-Trichlorobenzene	5.52	0.5	"	5.0000	0.00	110	70-130	19	20
1,1,1-Trichloroethane	5.46	0.5	"	5.0000	0.00	109	70-130	14	20
1,1,2-Trichloroethane	5.32	0.5	"	5.0000	0.00	106	70-130	14	20
Trichloroethene	5.17	0.5	"	5.0000	0.00	103	71-120	12	14
Trichlorofluoromethane	6.29	0.5	"	5.0000	0.00	126	70-130	4	20
1,2,3-Trichloropropane	5.04	0.5	"	5.0000	0.00	101	70-130	15	20
1,2,4-Trimethylbenzene	4.97	0.5	"	5.0000	0.00	99	70-130	14	20
1,3,5-Trimethylbenzene	4.96	0.5	"	5.0000	0.00	99	70-130	17	20
Vinyl acetate	5.15	0.5	"	5.0000	0.00	103	70-130	2	20
Vinyl chloride	4.75	0.5	"	5.0000	0.00	95	70-130	3	20
m-Xylene/p-Xylene	10.30	1.0	"	10.000	0.00	103	70-130	14	20
<i>Surrogate: 4-Bromofluorobenzene</i>	3.720		"	4.0000		93	86-115		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.270		"	4.0000		107	76-114		
<i>Surrogate: Toluene-d8</i>	3.860		"	4.0000		96	88-110		



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Notes and Definitions

- UJ The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
- T Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
- R The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.
- J The identification of the analyte is acceptable; the reported value is an estimate.
- B Not detected substantially above (10 times) the level reported in the laboratory or field blanks (including field, trip, rinsate, and equipment blanks).
- A Quality control value is outside acceptance limits.
- %REC Percent Recovery
- RPD Relative Percent Difference
- U Analyte included in the analysis, but not detected at or above the quantitation limit.

QUANTITATION LIMIT: The lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy for a specific laboratory analytical method and that takes into account analytical adjustments made during sample preparation and analysis.

SOLID SAMPLE RESULTS - REPORTING PROTOCOL: Solid samples where % Solids (percent dry wt at 105 degrees C) has been performed, are analyzed wet and converted to a dry weight result for reporting purposes. This is routine for organics and most inorganic analyses. When metals and mercury analyses are requested, solid samples are routinely analyzed and reported on a dry weight basis. Solid samples for metals/mercury are prepared for analysis by an initial drying at 60 degree C and homogenization before digestion. Oil-type samples will be analyzed and reported on a wet weight basis for all analyses because of the nature of the sample. Any exceptions to the protocol will be noted with a qualifier

ON-DEMAND: The term 'on-demand' analysis, if noted in the report narrative, refers to Section 13.1.4 in the Region III OASQA Laboratory Quality Manual, which provides procedures for non-routine analyses or analytes.